APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Physicochemical Investigation of Complex Fertilizers. Ternary System: H_2O-NH_4NO_3-$NH_4H_2PO_4$, by A. G. Bergman, P. P. Bochkarev, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol II, 1937, pp 1531-1536.

BLM R-3294

Sci

Aug 59

93 580

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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Derivation and Characteristics of the Tanning Action of Water - Soluble Products of the Condensation of Resorcinol with Furfural, by A. N. Mikhaylov, 12 pp.

IV

RUSSIAN, per, Zhurnal Prikladnoy Khimii, Vol X, No 9, pp 1579-1585.

1937

ACSI M-4993

Sci - Chem

Mar 60

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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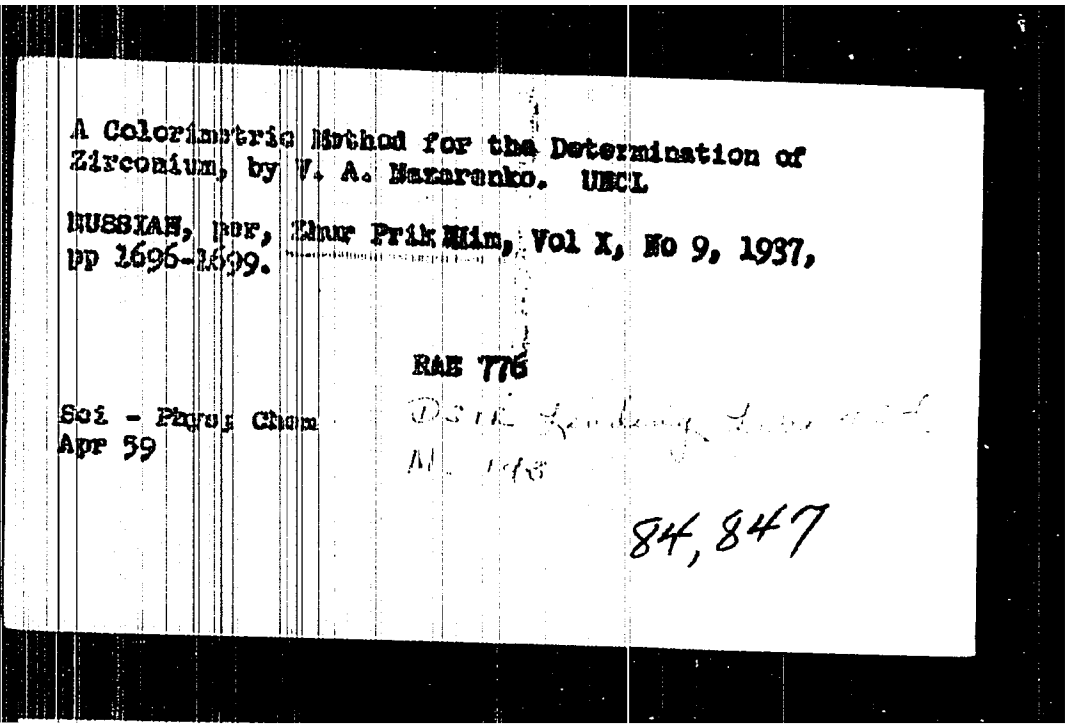

A Colorimetric Method for the Determination of Zirconium, by V. A. Nazarenko. UKCL

RUSSIAN, Zhur Prik Him, Vol X, No 9, 1937, pp 1696-1699.

RAE 776

Sci - Phys Chem
Apr 59

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

The Reduction of Iron Catalysts Used in the Synthesis of Ammonia, by S. S. Lachinov, 26 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol X, 1937, pp 1847-1866.

SLA R-2600

Sci - Chem

Jun 59

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Grinevich, V. M., and Klapchuk, S. V.
OVER DE TOEPASSING VAN KRIWOJ-ROG-HAEMATIET ALS GRONDSTOF VOOR DEN AMMONIAK-KATALYSATOR (Utilization of KRIVOI-ROG-hematite as a Raw Material for the Ammonia-catalyst) tr. by A. Bosch-Sukacz and G. J. M. Fritschy. 7p. 3 refs. MTWL: 122. (text in Dutch).
Order from: OTS or ETC $1.55 61-17727

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1937, v. 10, p. 1865-1870.

DESCRIPTORS: *Ammonia, Synthesis, Catalysts, *Magnetite.

61-17727

I. Grinevich, V. M.
II. Klapchuk, S. V.
III. MTWL-122
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

The Kinetics of the Process of Interaction of Copper With Solutions of Ferric Chloride, by S. A. Pletenev, S. A. Pavlov, 25 pp.

RUSSIAN, per, Zhur Prik Khim, Vol X, No 12, 1937, pp 1957-1967.

SLA R-861

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Sci - Chemistry
(Oct 57

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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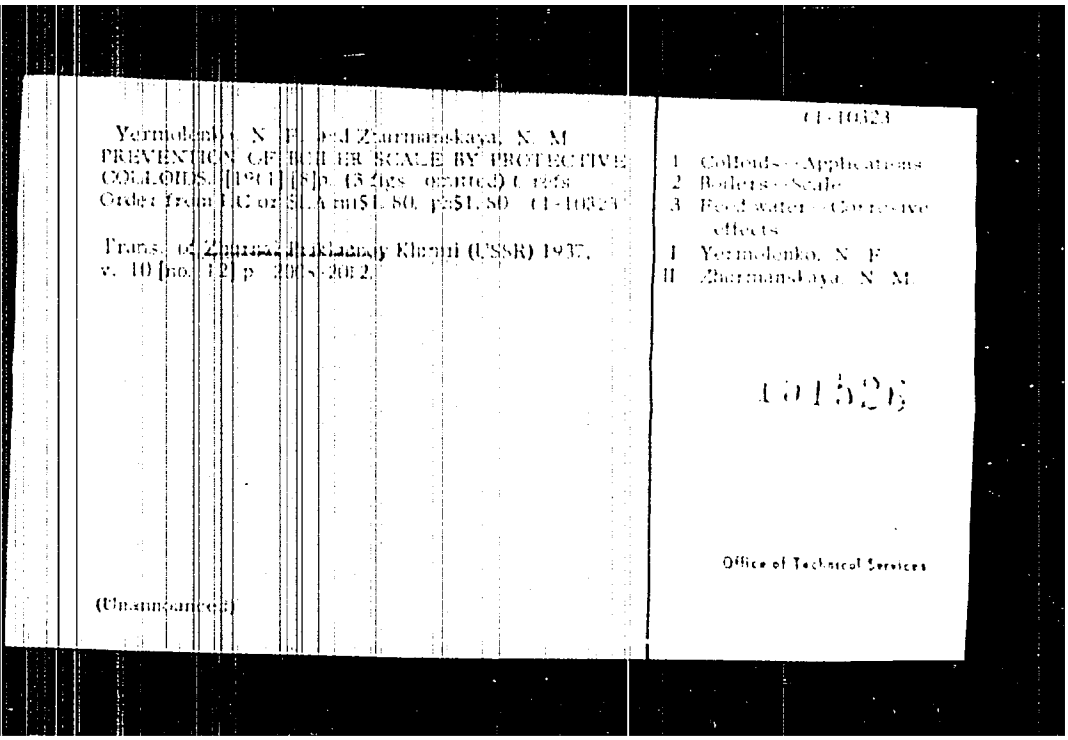

Yermolenko, N. F. and Zharmanskaya, N. M.
PREVENTION OF BOILER SCALE BY PROTECTIVE COLLOIDS. [1961] [8]p. (Slightly distorted) Refs
Order from: OTS, Dept. of Com., Washington 25, D.C. $1.50; ph $1.50 61-10323

Trans. of Zhurnal Prikladnoy Khimii (USSR) 1937, v. 10 [no. 12] p. 2005-2012.

(Unannounced)

61-10323

1. Colloids--Applications
2. Boilers--Scale
3. Feed water--Corrosive effects
I. Yermolenko, N. F.
II. Zharmanskaya, N. M.

601525

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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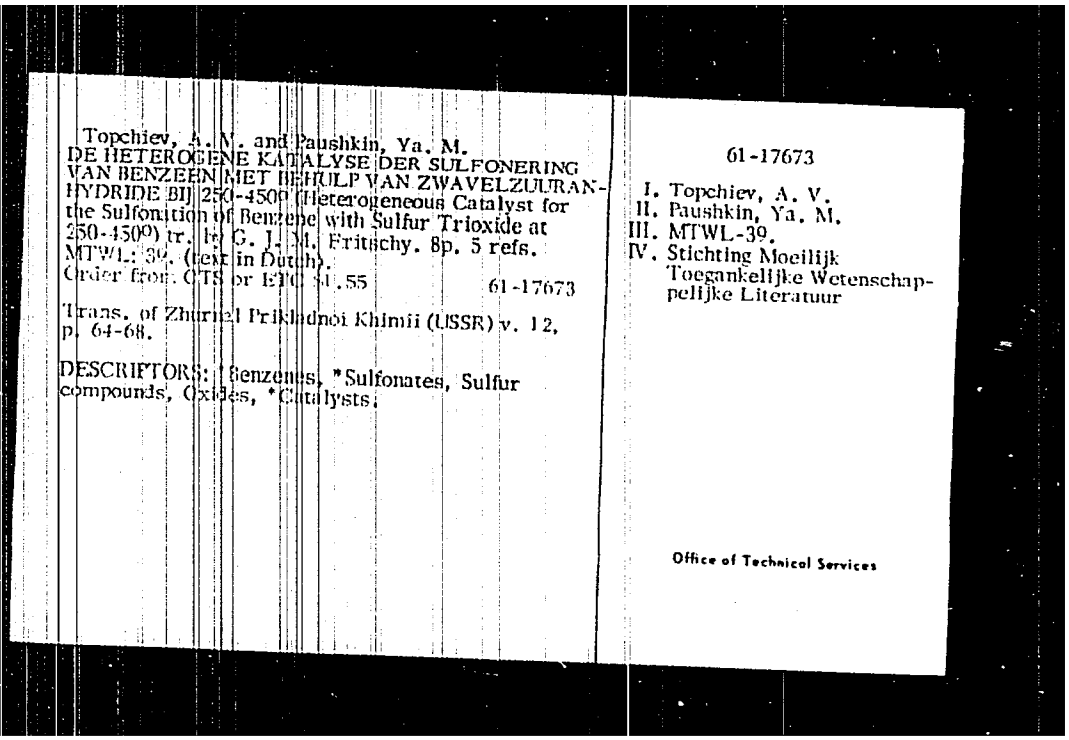

Topchiev, A. V. and Paushkin, Ya. M.
DE HETEROGENE KATALYSE DER SULFONERING VAN BENZEEN MET BEHULP VAN ZWAVELZUURANHYDRIDE BIJ 250-450° (Heterogeneous Catalyst for the Sulfonation of Benzene with Sulfur Trioxide at 250-450°) tr. by G. J. M. Fritschy. 8p. 5 refs.
MTWL: 39. (Text in Dutch).
Order from: CTS or ETC $1.55 61-17673

Trans. of Zhurnal Prikladnoi Khimii (USSR) v. 12, p. 64-68.

DESCRIPTORS: Benzenes, *Sulfonates, Sulfur compounds, Oxides, *Catalysts;

61-17673

I. Topchiev, A. V.
II. Paushkin, Ya. M.
III. MTWL-39.
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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Production of Titanic Acid Gel and Examination of its Absorption Properties, by S. E. Verkhovskii, A. K. Verkhovskaya, M. V. Kartsynel, 10 --.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 11, No 1, 1938, pp 4-11.
TC-374

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Preparation of Trihydroxyglutaric Acid From Xylose, by N. A. Sychev, 25 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XI, No 1, 1938.
MP 68-81. 64979

FDD/K-3717
OTIA 4751

Sci - Chem

Feb 59
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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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R-123-N

RUSSIAN, per, Zhur Prik Chem, Vol XI, No 1, 1938, pp 68-82.

*JPRS for Picatinny Arsenal

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

The Alkaloid of the Nicotiana Glauce Plant
by M. I. Khmoora, 14 pp.
RUSSIAN, per, Zhur Prik Khim, Vol 11, No 1,
1938, pp 105-108.
K-H-914 e

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Sci - Biological
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The Ternary System $NF-HF-H_2O$, by I. Tananayev, 10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XI, 1938, pp 218-222.

SLA R-[illegible] 3339

Sci

Aug 59

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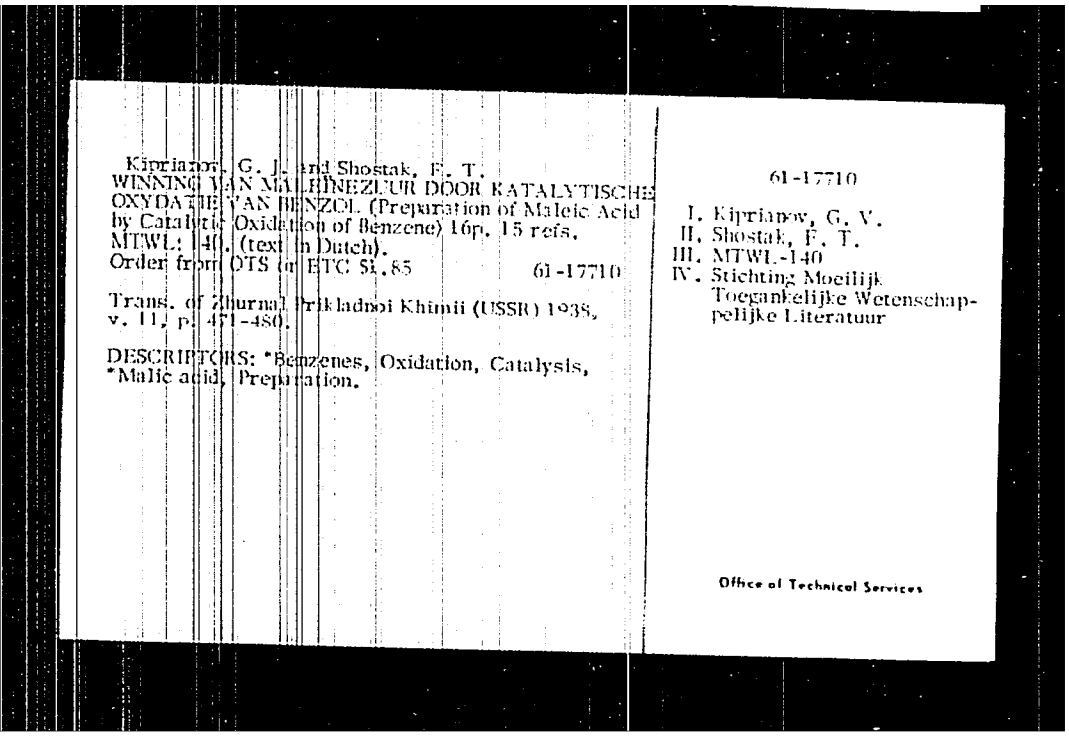
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Kipriianov, G. I. and Shostak, F. T.
WINNING VAN MALEINEZUUR DOOR KATALYTISCHE OXYDATIE VAN BENZOL (Preparation of Maleic Acid by Catalytic Oxidation of Benzene) 16p. 15 refs.
MTWL: 140. (text in Dutch).
Order from OTS or ETC 51.85 61-17710

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1938, v. 11, p. 471-480.

DESCRIPTORS: *Benzenes, Oxidation, Catalysis, *Malic acid, Preparation.

61-17710

I. Kipriianov, G. V.
II. Shostak, F. T.
III. MTWL-140
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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Variations of the Properties of Smoke in the Fermentation of Tobacco, by S. L. Krainev, 16pp.
RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 11. No 3, 1938, pp 515-522.
H-H-909 b

322,304

Sci - Chemistry
Mar 67

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Telegin, V. G. and Sidorov, N. V.
HET ELECTROSMELTEN VAN DE KATALYSATOR VOOR DE AMMONIAK-SYNTHESE (Electro Fusion of the Ammonia-synthesis Catalyst) tr. by A. Bosch-Sulacz and G. J. M. Fritschy. 16p. 17 refs. MTWL: 131 (text in Dutch).
Order from OTS or ETC $1.85 61-17715

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1938, v. 11, p. 583-596.

DESCRIPTORS: *Ammonia, Synthesis, *Catalysts, Melting.

61-17715

I. Telegin, V. G.
II. Sidorov, N. V.
III. MTWL-131
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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Catalytic Oxidation of Nitrogen Monoxide, by
N. P. Kurin, I. O. Blokh, 33 pp.

RUSSIAN, per, Zhur Prik Khim, No 11, 1938,
pp 734-753.

Sci Tr Center RT -2211

SLA R-2898

Scientific - Chemistry Apr 55 CTS

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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Zal'kind, Yu. and Markov, I.
SOME CYCLOPENTANE DERIVATIVES. 9p. 15 refs.
MTWL: 619.
Order from OTS or ETC $1.55 61-17364

Trans. of Zhurnal Prikladnoĭ Khimii (USSR) 1938, v. 9, no. 5, p. 816-822.

DESCRIPTORS: *Cyclopentanes, Preparation.

61-17364

I. Zal'kind, Yu.
II. Markov, I.
III. MTWL-619
IV. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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Corrosion of Copper in Aqueous Solutions of Ammonia Compounds I. The Mechanism of the Corrosion, by E. M. Zaretskiy, G. V. Akimov, 13 pp

RUSSIAN, per, Zhur Prik Khim, Vol XI 1938, pp 1161-1171.

SLA R-2956

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Jul 59

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The Synthesis of p-Methylbenzyl acetate From Toluene, by P. P. Shorygin, A. V. Bogdanova, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XI, No 7/8, pp 1217-1222, 1938.

Assoc Tech Serv 30J17R

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

The Production of Sulfur From Gypsum in Combination With the Manufacture of Ammonia and Soda. Part II. Investigation of the Physiochemical Properties of Aqueous Suspensions of Calcium Sulfide, by G. N. Evetskii.

RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 11, 1938, pp 1311-1319.

Order from ATS as 14Z12SR. $17.85.

NTC 72-50755-07A

Jan 73

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Ivanova, Z. G. and Rogovin, Z. A.
THE EFFECT OF THE ADDITION OF PLASTICIZERS ON THE PHYSICO-MECHANICAL PROPERTIES OF ACETYL CELLULOSE FILMS. III. THE MECHANISM OF PLASTICIZATION. [1960] 22p. 9 refs.
Order from SLA mi$2.70, ph$4.80 60-18704

Trans. of [Zhurnal Prikladnoy Khimii] (USSR) 1938 [v. 11, no. 9] p. 1348-1360.

143,014

(Unannounced)

60-18704

1. Plasticizers--Physical effects
2. Plastic films--Mechanical properties
I. Ivanova, Z. G.
II. Rogovin, Z. A.
III. Title: Mechanism...

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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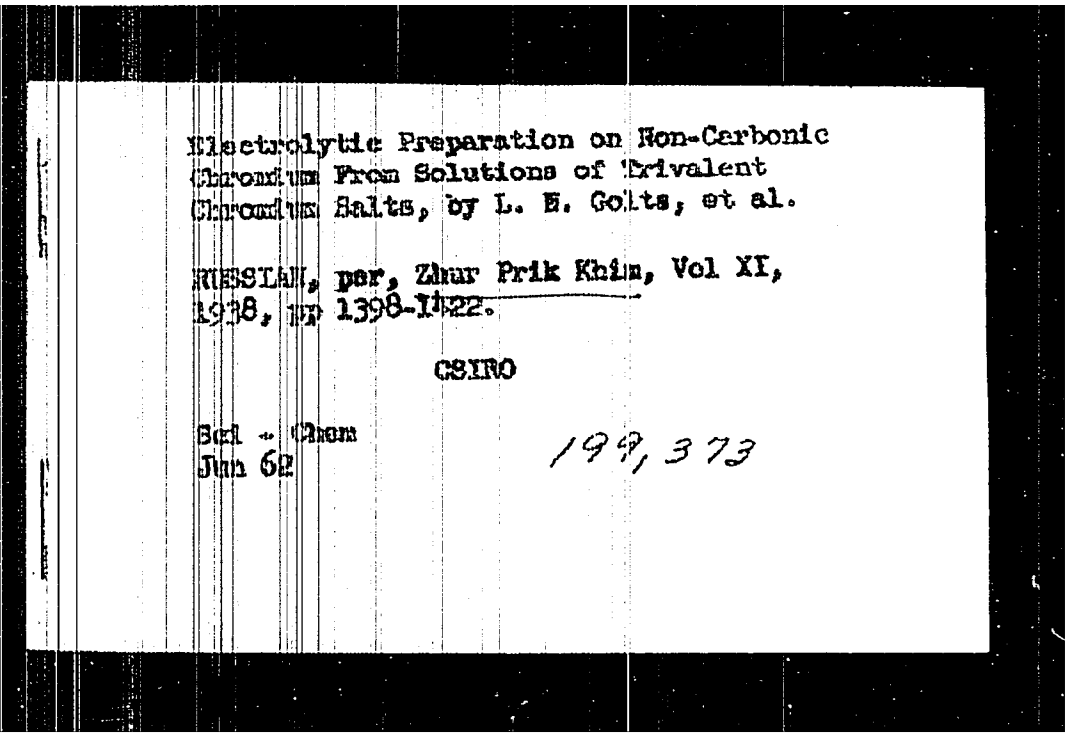

Electrolytic Preparation on Non-Carbonic Chromium From Solutions of Trivalent Chromium Salts, by L. E. Golts, et al.

RUSSIAN, per, Zhur Prik Khim, Vol XI, 1938, pp 1398-1422.

CSIRO

Bul - Chem
Jun 62

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Mechanism of the High Temperature Hm Hydrogenation of Aromatic Hydrocarbons, by E. I. Prokopets, 10 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XI, No 10, 11, 1938, pp 1471-1474.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

The Heat Evaporation of Water From Phosphoric Acid Solutions of Various Concentrations at 80°, by K. I. Zaytsev, 9 pp.

RUSSIAN, per, Zhur Prik Khim, Vol. XI, 1938, pp 1543-1547.

SLA R-2577

Sci - Chem

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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Volatilization of Phosphorus and Fluorine From Khibinsk Apatites, by K. Zagvozdkin, S. Boltz, 11 pp.

RUSSIAN, per, Zhur Prik Khim, Vol. XI, 1938, pp 1518-1555.

SLA R-2579

Sci - Chem

Jun 59

89,594

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Belopol'skii, A. P., Taperova, A. A., and Shul'gina, M. N.
PHYSICOCHEMICAL ANALYSIS IN THE SULFURIC ACID TREATMENT OF PHOSPHATES; CONVERSIONS OF CALCIUM SULFATE CRYSTAL HYDRATES IN THE PRESENCE OF PHOSPHORIC ACID AT 80° C. [Jan 64] 12p
Order from ATS $16.75 ATS-46Q73R

Trans. of Zh[urnal] Prikl[adnoi] Khim[ii] (USSR) 1939, v. 12, no. 1, p. 3-12.

DESCRIPTORS: Phosphates, Sulfuric acid, *Phosphoric acids, Hydrates, Crystals, *Calcium compounds, *Sulfates, Chemical analysis.

(Chemistry--Physical, TT, v. 11, no. 10)

TT-64-12406

I. Belopol'skii, A. P.
II. Taperova, A. A.
III. Shul'gina, M. N.
IV. ATS-46Q73R
V. Associated Technical Services, Inc., East Orange, N. J.

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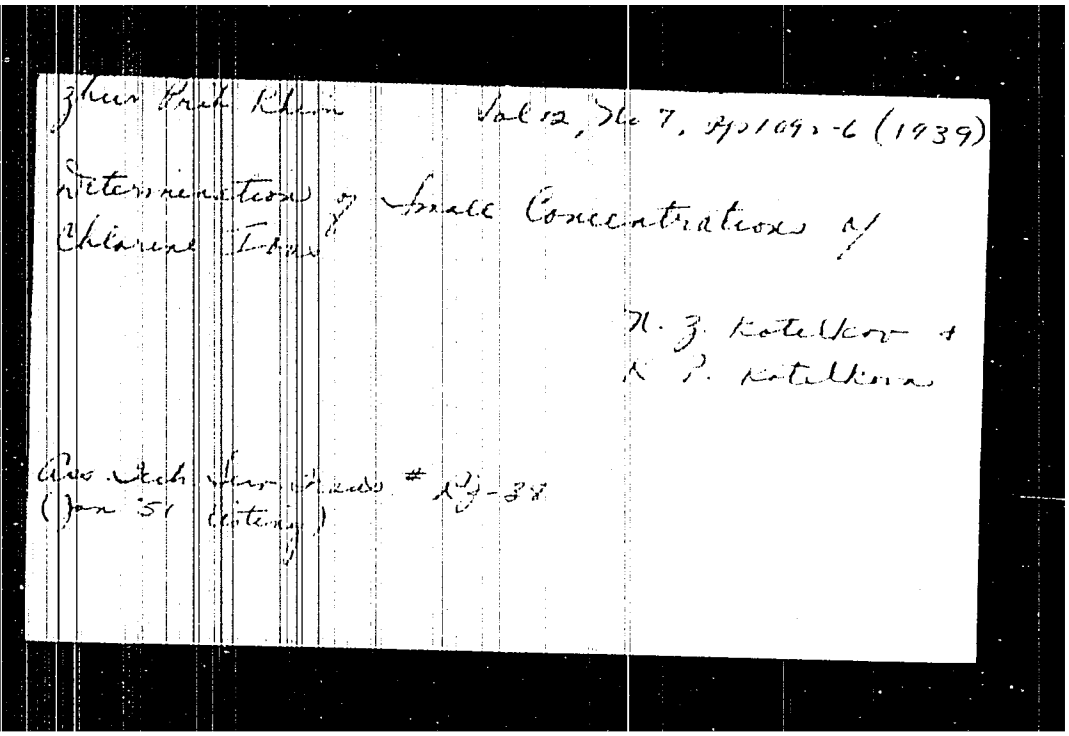
Journ Amer Chem
Vol 12, No 7, pp 109-6 (1939)
Determination of Small Concentrations of
Chlorine Ions
M. J. Katelson +
K. P. Katelson
Geo Tech Inst Rpts # 12-38
(Jan 51 Catalog)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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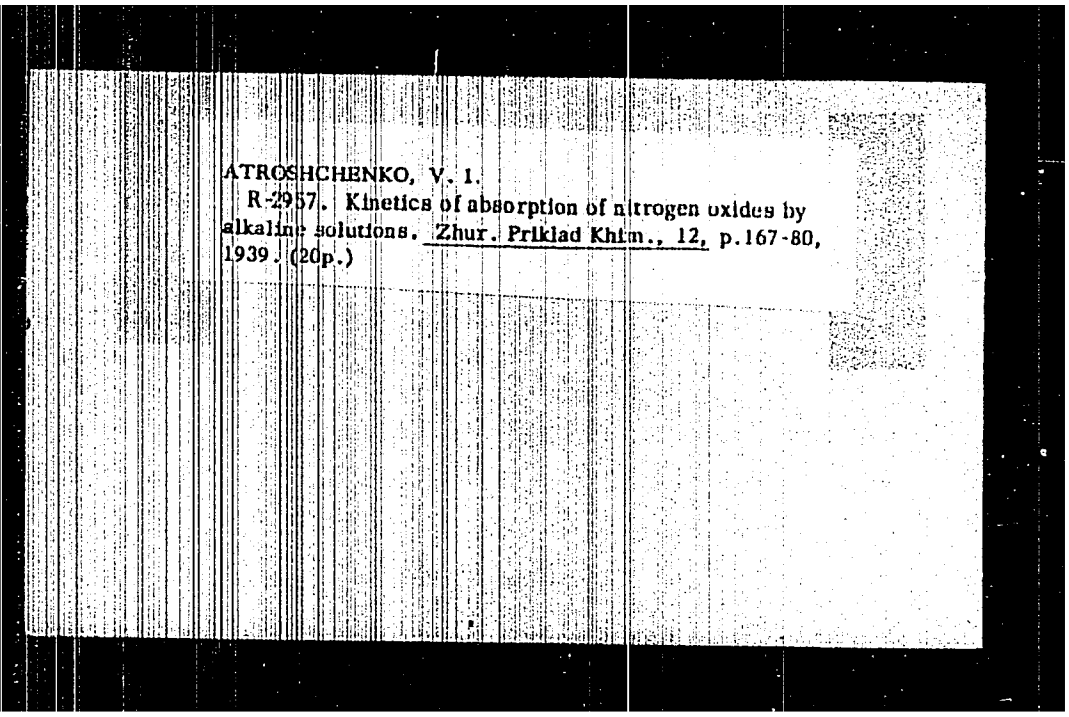

ATROSHCHENKO, V. I.
R-2957. Kinetics of absorption of nitrogen oxides by alkaline solutions. Zhur. Prikład Khim., 12, p.167-80, 1939. (20p.)

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Chemistry of Titanium, XIII. Separation of Titanium Dioxide From Sulfuric Acid Solutions, by A. V. Pamfilov, A. G. Ivancheva, I. N. Soboleva, 13 pp.

Ye.

RUSSIAN, per, Zhur Prik Khim, Vol XII, No 2, 1939, pp 226-233.

Sci Trans Center RT-873

Scientific - Chemistry

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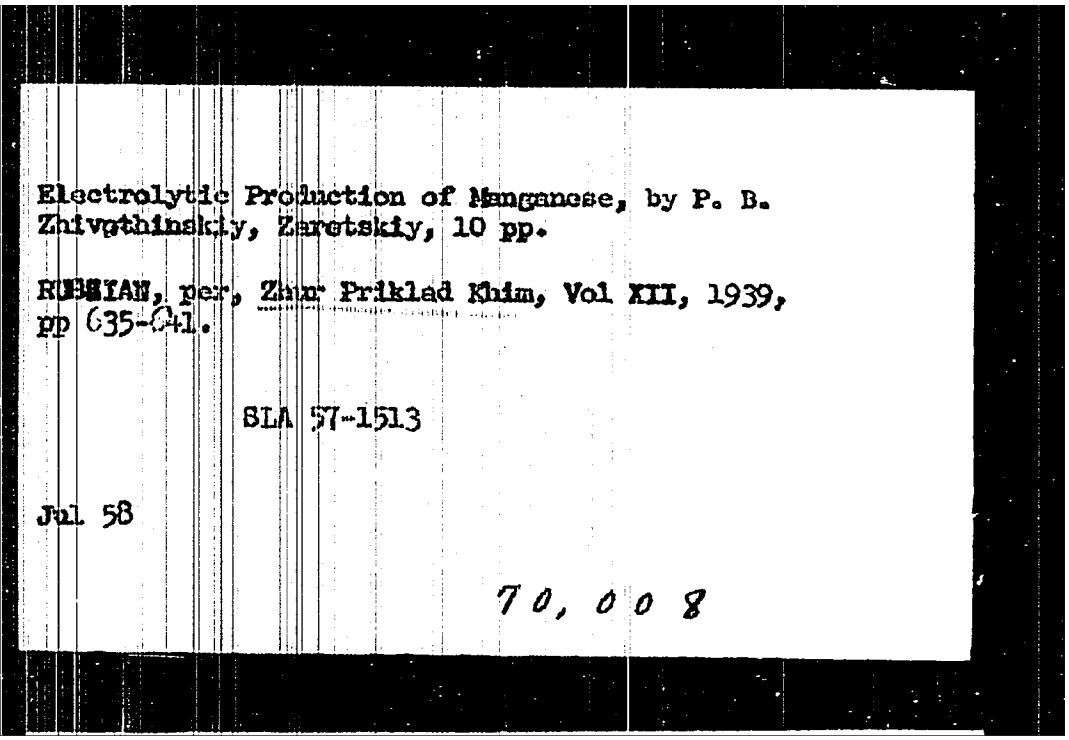

Electrolytic Production of Manganese, by P. B. Zhivotinskiy, Zaretskiy, 10 pp.

RUSSIAN, per, Zhur Prikład Khim, Vol XII, 1939, pp 635-641.

BLA 57-1513

Jul 58

70,008

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Investigation in the Filed of Recover Volatile Solvent Vapours. IV. Investigation of the Sorption and Desorption of Chlorinated Organic Solvents on Activated Carbon, by E. V. Alekseyevskiy, Ya. D. Musin.

RUSSIAN, per, Zhur Prik Khim., Vol XII, 1939, pp 704-718.

NLL M.3439

193,932

Sci - Chem

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Kinetics of Cracking of Hydrocarbons Under Pressure, by M. D. Tilicheyev, 33pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, 1939, pp 741-758.

CIA/TSD XR-829
NOT REPRODUCIBLE TO FOREIGN NATIONALS

Sel - Chem
Dpp 60
May

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The Cathode Process During the Formation of a Diaphram-Like Layer, by I. G. Shcherbakov, L. V. Yumanova, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, 1939, pp 826-830.

SLA/R-2459 also 63-18130

Sci
Apr 59

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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Determination of the Structural Groups in Humic Acids, by R. R. Galle, A. G. Nikolayev, 15 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, No 6, 1939, pp 923-933.

SLA 59-22351

Sci

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133,056

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

A Laboratory Method for the Preparation of Liquid N_2O_4, by I. E. Ioshpa, O. P. Spiridonova, 5 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, No 6, 1939; pp 951, 952. CIA 9021244

NIH

Sci - Chemistry
Jul 58

CFSTI TT 64-14392

66,432

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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Shcherbakov, I. G., Markov, B. F., and Azer'er, K. Ya.

THE ELECTROMOTIVE FORCE OF POLARIZATION IN THE ELECTROLYSIS OF FUSED CARNALLITE. II. INFLUENCE OF CERTAIN TECHNICAL ADMIXTURES IN CARNALLITE ON POLARIZATION. [1963] [10]p. 19 refs.

Order from OTS or SLA $1.10 63-18301

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1939, v. 12 [no. 7] p. 976-980.

DESCRIPTORS: *Polarization, *Electric potential, Electrolysis, Electrolytes, Potassium compounds, Sulfates, Calcium compounds, Fluorides, Barium compounds, Chlorides, Tests, Measurement, *Carnallite

The objective was to follow the action of sulfur, $BaCl_2$ and CaF_2 admixtures, possessing significance under technical conditions, in the electrolyte on the cathode process. (Author)

63-18301

I. Shcherbakov, I. G.
II. Markov, B. F.
III. Azer'er, K. Ya.
IV. Title: Influence...

(Chemistry--Physical, TT, v. 10, no. 11)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Nikolaev, N. S.
REACTION OF HYDROGEN SULFIDE WITH SULFUR DIOXIDE IN AQUEOUS SOLUTIONS. [1963] [18p] 12refs
Order from OTS, SLA, or ETC $1.60 TT-63-20995

Trans. of [Zhurnal Prikladnoi Khimii] (USSR) 1939, v. 12 [no. 7] p. 1013-1021.

DESCRIPTORS: *Hydrogen compounds, *Sulfides, *Sulfur compounds, Dioxides, Chemical reactions, Water, Solutions.

(Chemistry--Physical, TT, v. 11, no. 8)

TT-63-20995

1. Nikolaev, N. S.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Some Properties of Sodium Hexametaphosphate, by A. K. Bronnikov, 13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, No 9, 1939, pp 1285-1294.

SLA P-2474

Sci

Aug 58

72,829

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Effect of Sesquioxides on the Process of Formation of Silicon Carbide, by M. V. Kamentzev, 9 pp.

RUSSIAN, mo per, Zhur Prik Khim, Vol XII, 1939, p 1330.

SLA Tr R-765

Sci - Physics
Sep 57

53,007

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

On the Mechanism of Iodoxidation of Unsaturated Compounds, by V. I. Esafov

RUSSIAN, per, Zhur Prik Khim, Vol. XII, 1939, pp 1387-1392.

AEC Tr 1109

Scientific - Chemistry

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Zvorykin, A. Ya. and Sokolovskii, A. D.
THE HEATING CURVES OF CARBOHYDRATES.
[1963] 5p. (figs. omitted).
Order from OTS or SLA $1.10 63-14876

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1939, v. 12, no. 9, p. 1430-1432.

DESCRIPTORS: *Heating, *Carbohydrates, Chemical analysis.

(Chemistry--Analytical, TT, v. 10, no. 5)

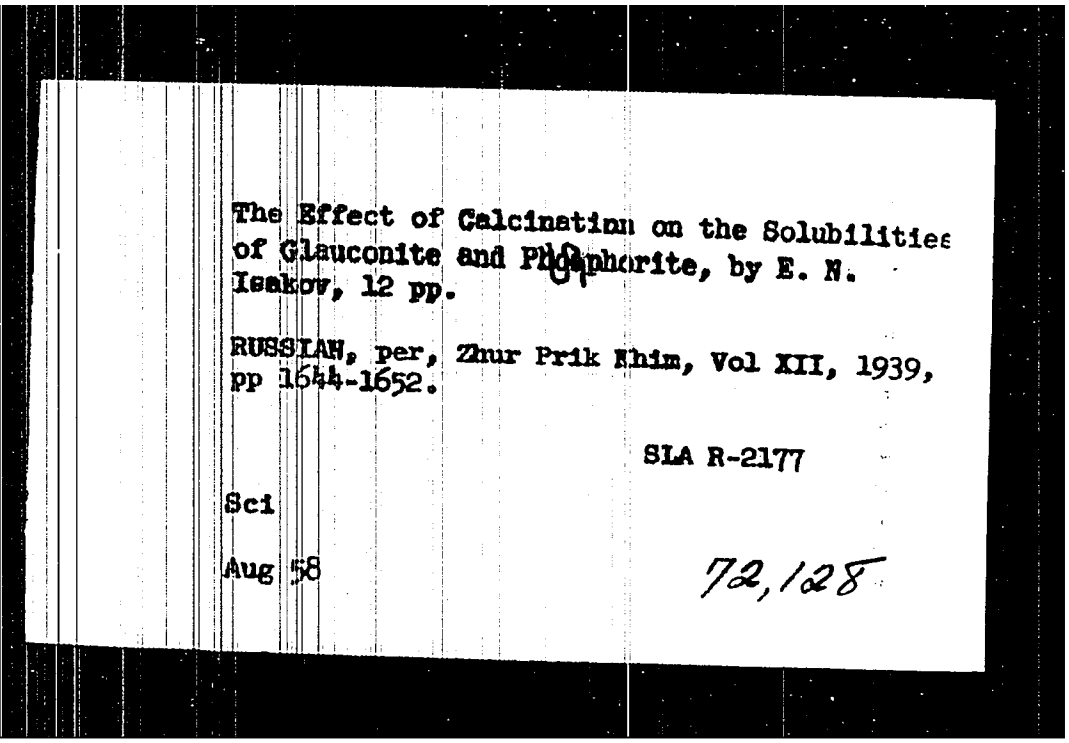
63-14876

I. Zvorykin, A. Ya.
II. Sokolovskii, A. D.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



The Effect of Calcination on the Solubilities of Glauconite and Phosphorite, by E. N. Isakov, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, 1939, pp 1644-1652.

SLA R-2177

Sci

Aug 58

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Obtaining Sulphur and Ammonium Sulphate in the Presence of a Catalyst, by L. I. Kuzmin, V. P. Kosev, 8 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XII, No 12, 1939, pp 1775-1779.

Sci Mus Lib No 56/2449

Sci - Chemistry 42, 848

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

TT-61-16858

Bozhko, N. P.
CRACKING OF METHANE IN ELECTRIC ARC UNDER REDUCED PRESSURE, II. [1961] 9p 5refs
Order from OTS, SLA, or ETC $1.10 TT-61-16858

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1939, v. 12, no. 12, p. 1816-1825.

(Engineering--Chemical, TT, v. 12, no. 4)

I. Bozhko, N. P.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Preparation of Methyl Chloride From Natural Gas, by Yu. G. Mamedaliev, V.V. Dement'eva. 8 pp. RUSSIAN, per, Zhurnal Prikladnoi Khimii, Vol 12, No 12, 1939, pp 1826-1834
SLA TT-61-16859

Sci/Chemistry
Jul 66

305,993

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Determination of Germanium by Means of 8-Hydroxyquinoline, by I. P. Alimarin, O. A. Alekseyeva, 9 pp.

RUSSIAN, per, Zhur Priklad Khim, Vol XII, 1939, pp 1900-1906.

SLA R-3310

Sci
Jul 59

92, 984

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Investigation of Behavior of Titanium Carbide in Cemented Carbide Alloys, by G. A. Meerson and others.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, No 1, 1940.

Brutcher Tr 1642

13,027

Scientific - Min/Metals $8.25

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

The Equilibrium of the System P_2O_5-H_2O, by K. I. Zagvozdkin, M. M. Rabinovich, N. A. Barilko, 12 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1940, pp 29-36.

SLA/R-2595
DTD 63-14607

Sci
Apr 59

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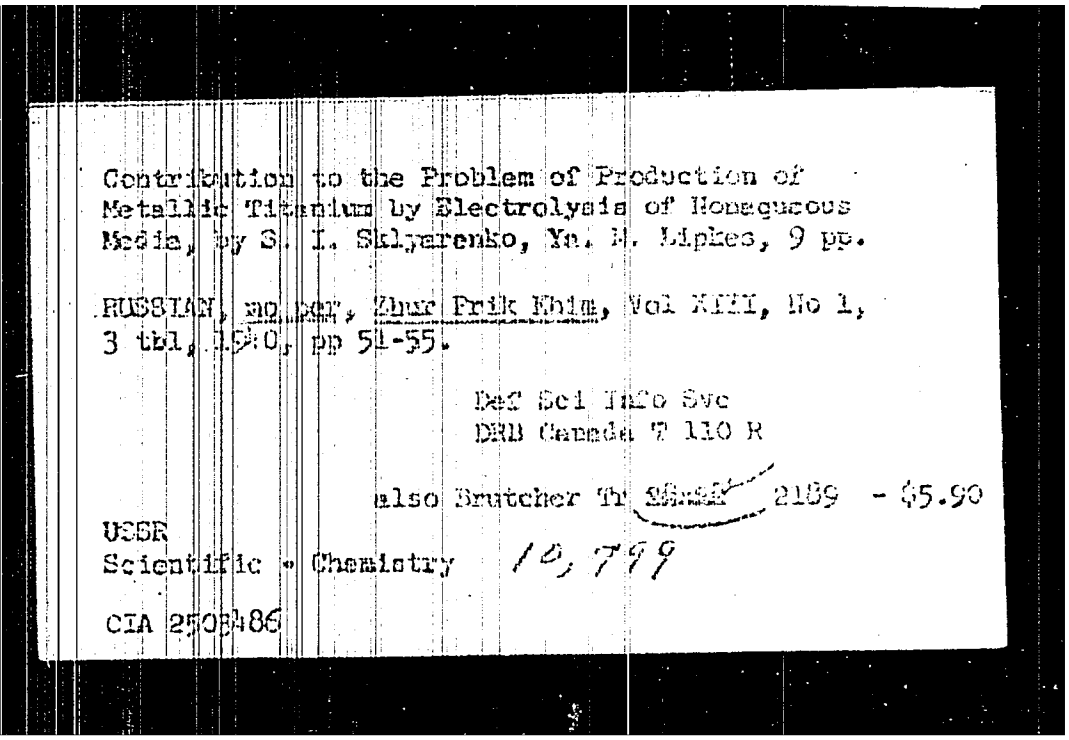
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Contribution to the Problem of Production of Metallic Titanium by Electrolysis of Homogeneous Media, by S. I. Sklyarenko, Yu. P. Lipkes, 9 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XIII, No 1, 3 tbl, 1940, pp 51-55.

Def Sci Info Svc
DRB Canada 7 110 R

also Brutcher Tr 2189 - $5.90

USSR
Scientific - Chemistry 10,779

CIA 2508486

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Koller, D. K., Buchel, V. O., and Kal'nin, E. M.
MECHANISM OF REACTIONS OF ELECTRICAL CRACKING OF HYDROCARBONS. [1961] 9p. 27 refs.
Order from OTS or SLA 51.10 61-16864

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 7, p. 102-117.

DESCRIPTORS: *Hydrocarbons, Decomposition, *Methanes, Electric discharges, Chemical reactions, Free radicals.

The yields of acetylene in electrical cracking of methane and consumption of electrical energy on its formation depend on the temperature of the gas in the discharge. In electrical cracking both the electrical and thermal energy are to a certain extent interchangeable. Change of the value of q* by change of the amount of electrical energy transmitted to the gas or by its preheating give, within certain limits, practically the same effect with respect to the yield and energy spent for cracking of methane. (Author)

61-16864

I. Koller, D. K.
II. Buchel, V. O.
III. Kal'nin, E. M.

Office of Technical Services
(Engineering--Chemical, TT, v. 6, no. 7)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Obtaining Regenerated Humic Acids From Carbonaceous Shales and Their Properties (Communication II) by L. A. Khristeva,

RUSSIAN, per, Zhur Prik Khim, Vol XXIII, No 1, 1950, p 132.

Dept of Interior
TN7 E57 No 450

115 958

Sci - Chem

Dec 61

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Zh Prikład Khim Vol 13, page 170-80 (1940)

Treatment of Chromiferous Ores With Sulfuric Acid in the Presence of Oxides. Chromic Anhydride as an Oxidant. by K. I. Losev.

AEC Trans(Avail. Brookhaven)

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Obolentsev, R.
MECHANISM OF HYDROGENATION OF UNSATURATED HYDROCARBONS. I. COMPOSITION OF TECHNICAL DIISOBUTENE. [1961] 10p. 12 refs.
Order from OTS or SLA $1.10 61-16865

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 2, p. 198-209.

DESCRIPTORS: *Hydrogenation, *Hydrocarbons, *Butenes, Ethylenes, Polymerization, Gases.

The structure of hydrocarbons composing technical diisobutene has been established. Within the boiling range of Butlerov's diisobutene (100.1 to 103.4°) the following isomers were found: 2,2-dimethyl-3-ethyl-3-butene, 2-methyl-3-isopropyl-3-butene and 3-methyl-3-ethyl-4-pentene. The contents of these isomers in technical diisobutene are of the order of magnitude of their contents in the Butlerov diisobutene. Other
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16865

I. Obolentsev, R.
II. Title: Composition...

185397

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Musatov, K. A. and Krymova, L. G.
MECHANISM OF DESULFURIZATION OF OIL DISTILLATES WITH ZINC CHLORIDE. [1961] 9p. 12 refs.
Order from OTS or SLA $1.10 61-16866

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 2, p. 227-234.

DESCRIPTORS: Hydrocarbons, *Kerosene, Benzine, *Sulfur compounds, Oils, *Desulfurization, Zinc compounds, Chlorides.

When zinc chloride is deposited from its aqueous solutions on a porous carrier, zinc oxide and zinc hydroxide are formed by hydrolysis and deposited together with the zinc chloride. In desulfurization with solid zinc chloride, its oxygen compounds have a decisive effect on the extent of desulfurization of the distillate and on the combination of hydrogen sulfide. Taking this into
(Chemistry--Physical, TT, v. 6, no. 9) (over)

61-16866

I. Musatov, K. A.
II. Krymova, L. G.

185398

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Musatov, K. A. and Nifontova, S. S.
VAPOR PHASE OXIDATION OF SULFUROUS AND AROMATIC DISTILLATES WITH SULFURIC ACID.
[1961] 6p. 9 refs.
Order from OTS or SLA $1.10 61-16867

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 2, p. 235-243.

DESCRIPTORS: Benzine, Hydrocarbons, *Sulfur compounds, Oxidation, Sulfuric acid.

In oxidation of oil distillates with sulfuric acid, carbon and coke catalytically decompose the non-volatile oxidation products, liberating hydrogen sulfide. Olefins and sulfur compounds are oxidized in the vapor phase much more rapidly than the paraffins and aromatics of similar boiling range. In the presence of olefins of sulfur compounds in amounts of 5-10% and higher con-
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16867

I. Musatov, K. A.
II. Nifontova, S. S.

185399

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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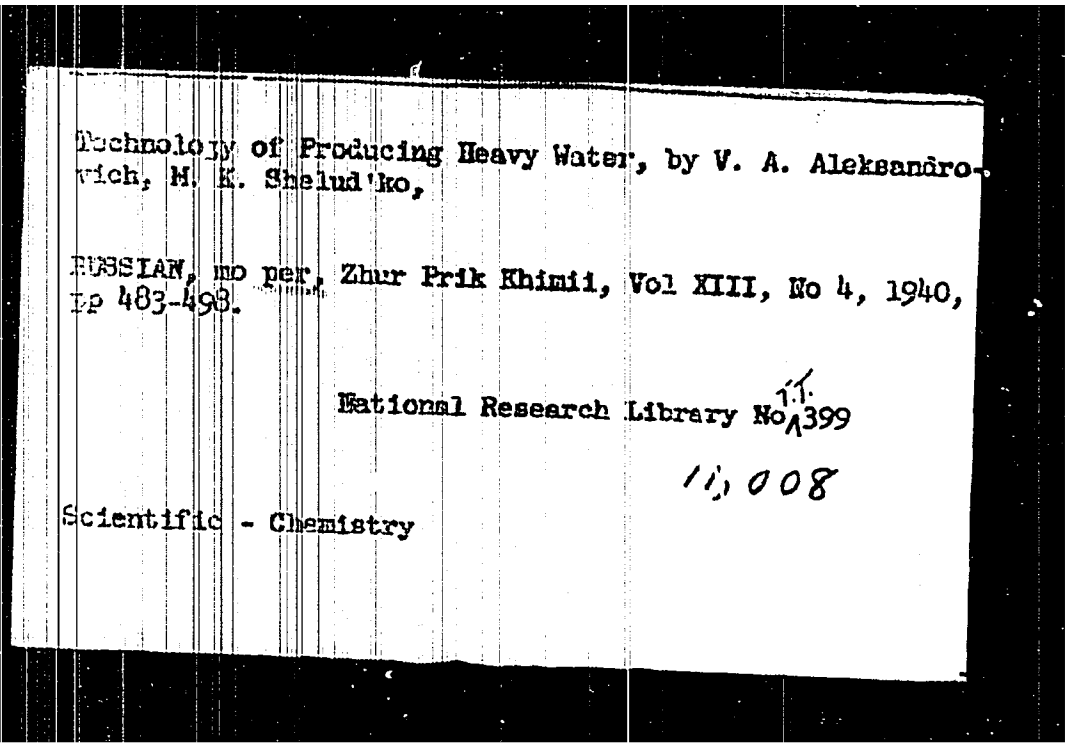

Technology of Producing Heavy Water, by V. A. Aleksandrovich, M. K. Sheludko,

RUSSIAN, no per, Zhur Prik Khimii, Vol XIII, No 4, 1940, pp 483-493.

National Research Library No 1399

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Scientific - Chemistry

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Physicochemical Analysis in the Field of Sulfuric Acid Treatment of Phosphates, IV, by A. A. Taperova, 18 pp.

RUSSIAN, per. Zhur Prik Khim, Vol XIII, 1940, pp 643-651.

SLA R-3349

Sci

Aug 59

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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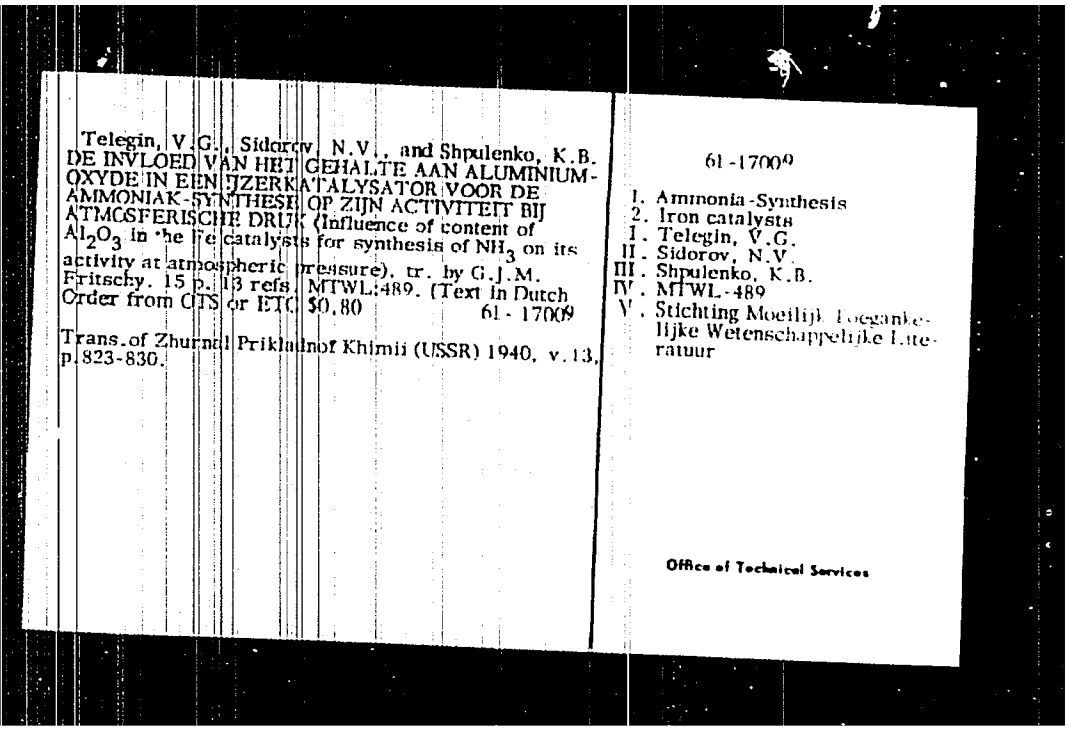

Telegin, V.G., Sidorov, N.V., and Shpulenko, K.B.
DE INVLOED VAN HET GEHALTE AAN ALUMINIUM-OXYDE IN EEN IJZERKATALYSATOR VOOR DE AMMONIAK-SYNTHESE OP ZIJN ACTIVITEIT BIJ ATMOSFERISCHE DRUK (Influence of content of Al_2O_3 in the Fe catalysts for synthesis of NH_3 on its activity at atmospheric pressure). tr. by G.J.M. Fritschy. 15 p. 13 refs. MTWL:489. (Text in Dutch Order from CTS or ETC $0.80 61-17009

Trans. of Zhurnal Prikladnof Khimii (USSR) 1940, v.13, p.823-830.

61-17009

1. Ammonia-Synthesis
2. Iron catalysts
I. Telegin, V.G.
II. Sidorov, N.V.
III. Shpulenko, K.B.
IV. MTWL-489
V. Stichting Moeilijk Toegankelijke Wetenschappelijke Literatuur

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Theory of Equilibruim Concentrations in a Continuously Flowing Solution and its Application to Continuous and Standard Reactions of Various Chemical Processes, by N. I. Kirillov, 40 pp.
Russian
RESUME: Per, Zhur Prik Khim, 1940, Vol XIII, No 7, pp 970-1002.

SLA 59-10542
SLA 59-1773

Sci
Oct 59
Vol 2, No 3

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Dynamics of the Adsorption of Acetylene by Silica Gel from Oxygen-Nitrogen Solution, by I. P. Ishkin, P. Z. Burbo, 14 pp.

RUSSIAN, mo per, Zhur Prik Khim, Vol XIII, No 7, 1940, pp 1022-1027.

Sci Tr Ctr RT-3846

Sci - Chemistry
Aug 56 CTS/dmc

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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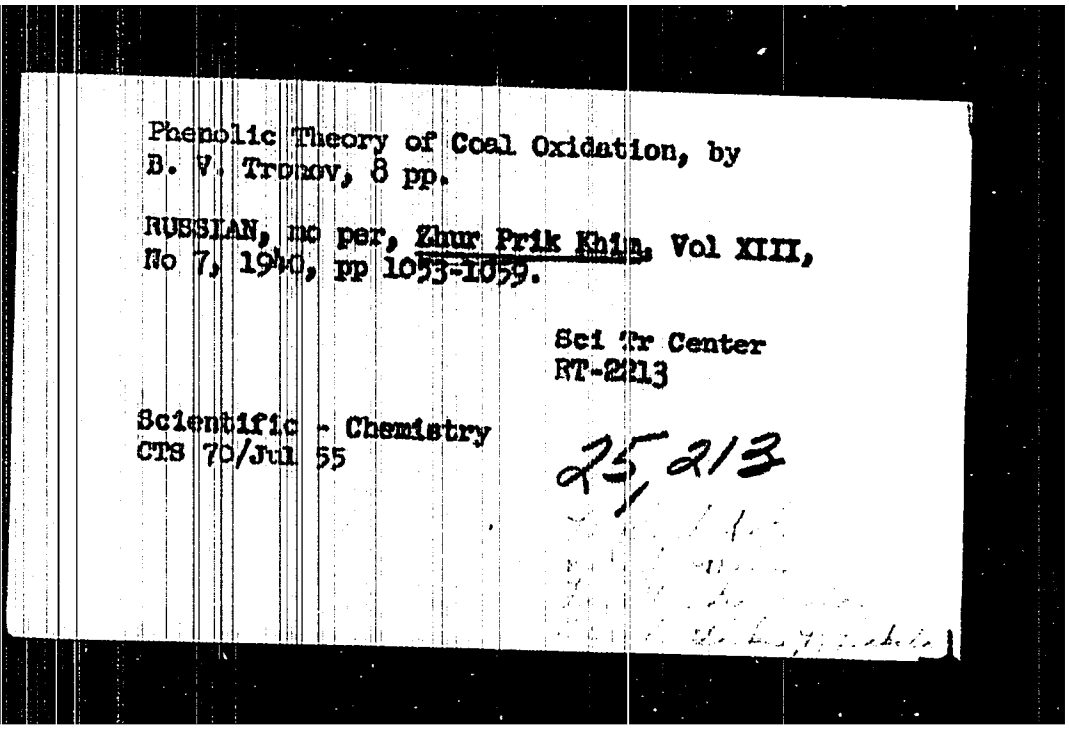

Phenolic Theory of Coal Oxidation, by
B. V. Tronov, 8 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XIII,
No 7, 1940, pp 1053-1059.

Sci Tr Center
RT-2213

Scientific - Chemistry
CTS 70/Jul 55

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Characteristics of Coumarin Solutions in Mineral Acids and a New Method of Isolation of Pure Coumarin, by A. K. Shumeiko.

RUSSIAN, PER, Zhur Prik Khim, Vol XIII, 1940, ~~XIII~~ pp 1204-1207.

Assoc Tech Sv
$6.50 Tr RJ-805

Sci - Chemistry
Aug 57

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

KREIMER, G. S.

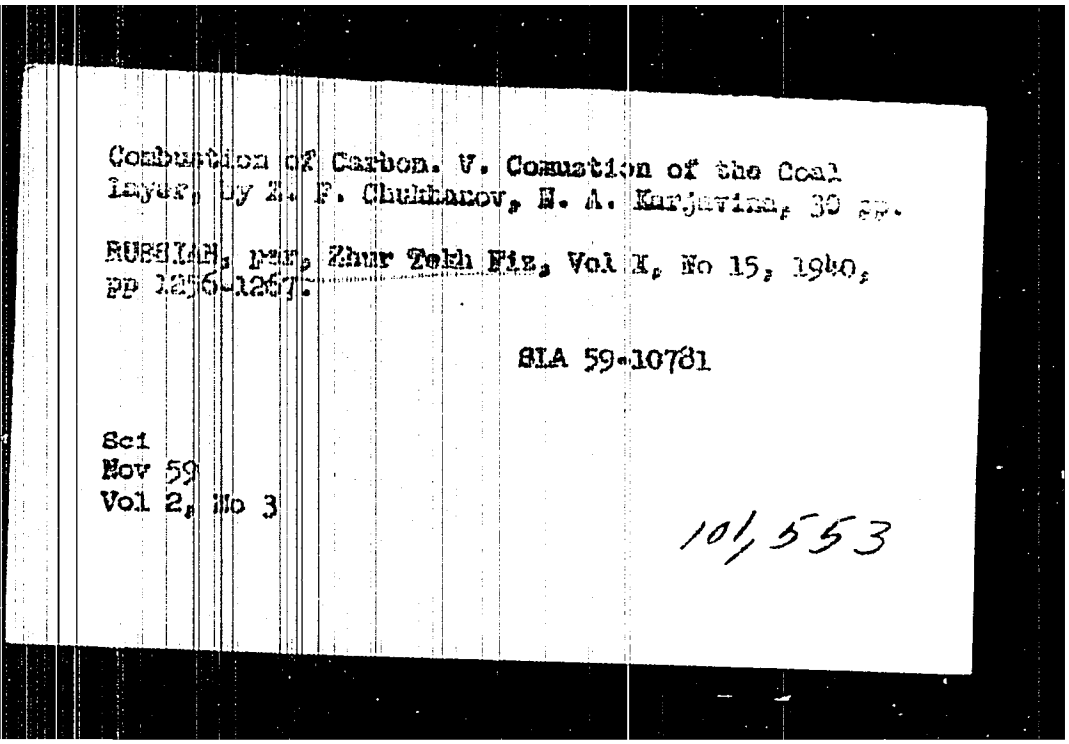
Zhurnal Prikladnoi Khimii, vol. 13, 1940, pp. 1267-1270; 2 tables, 1400 words.

Simultaneous Reduction of the Oxides of Iron, Titanium and Columbium with Aluminum.

Brutcher Trans, Order No. 1073, $2.80

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Combustion of Carbon. V. Comustion of the Coal Layer, by Z. F. Chukhanov, N. A. Kurjavina, 30 pp.

RUSSIAN, Per, Zhur Tekh Fiz, Vol X, No 15, 1940, pp 1256-1267.

SIA 59-10781

Sci
Nov 59
Vol 2, No 3

101,553

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Chemistry of Titanium, XVII. The Effect of Calcination on the Properties of Titanium Dioxide, by A. V. Pamfilov, E. G. Ivancheva, K. F. Trekhletov, 8 pp.
Va.,

RUSSIAN, per. Zhur Prik Khim, Vol XIII, No 9, 1940, pp 1 10-1314,

Sci Trans Center RT-877

14,040

Scientific - Chemistry CTS/DEX

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Kinetics of the Absorption Process and Test of Packing in the Gay-Lussac Semi-Industrial Tower, by I. N. Kuz'minykh, E. V. Yushmanov, I.A. Ayakhov, 15 p.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1940, pp 1417-1426.

SLA R-3029

Sci

Jul 59

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

On the Precipitation of Tin With Phenylarsonic Acid, by V. I. Kuznetsov, 11 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1940, pp 1512-1516.

AEC UCRL-Tr-572(L)

Sci - Chem
21 Feb 61

140, 914

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Application of the Potentiometric Titration Method in the Chemical Investigation of Soap, by A. P. Vishniakov and N. A. Rodichev, 13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, No 10, 1940, pp 1517-1522.

ASsoc Tech Serv

72,825

Sci

Aug 58

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Physicochemical Properties of Rare Metals. II. The Diagrams of State of the Systems $ZrCl_4$-NaCl and ZrO_2-CaCl, by N. A. Belozerskiy, O. A. Kucherenko.

RUSSIAN, per., Zhur Prik Khim, Vol XIII, No 11, 1940.

AEC Tr 113
AEC Tr 325

Scientific - Chemistry

15,840

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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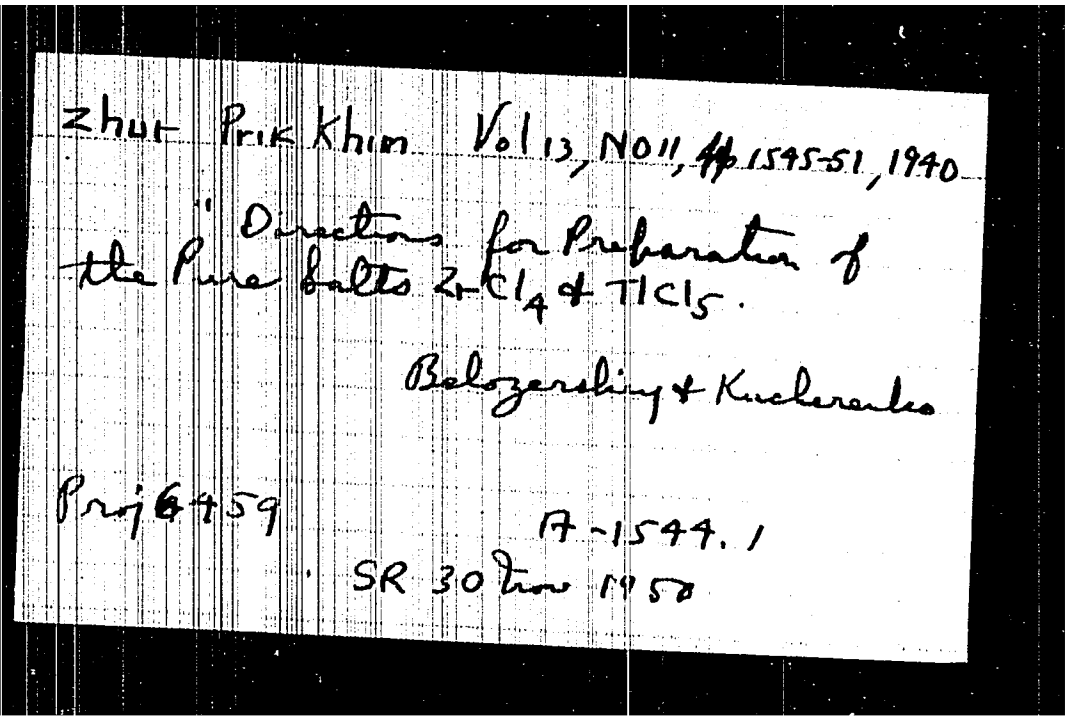


Zhur Prik Khim Vol 13, No 11, pp 1545-51, 1940

"Directions for Preparation of the Pure Salts $ZrCl_4$ & $TiCl_5$."

Belozerskiy & Kucherenko

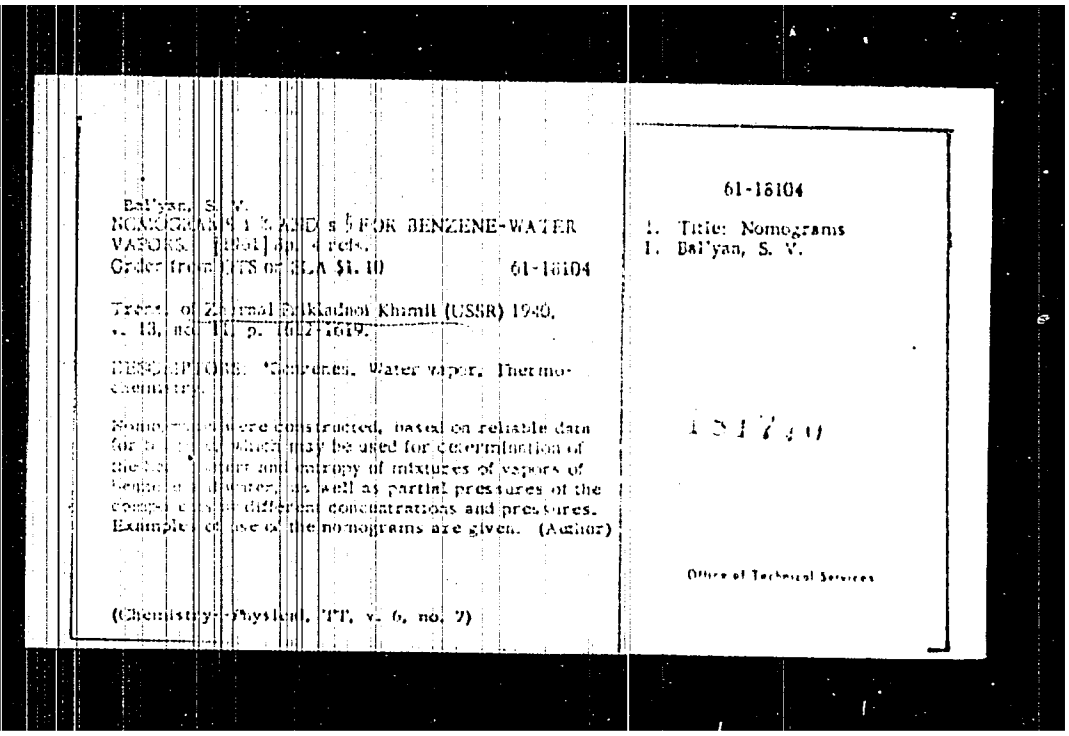
Proj 6459

A-1544.1

SR 30 Nov 1950

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Bal'yan, S. V.
NOMOGRAMS FOR BENZENE-WATER VAPORS. [Text] 4p. 4 refs.
Order from: OTS or SLA $1.10 61-16104

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1940, v. 13, no. 10, p. 1627-1629.

DESCRIPTORS: *Benzenes, Water vapor, Thermochemistry.

Nomograms were constructed, based on reliable data for [illegible] which may be used for determination of the [illegible] and entropy of mixtures of vapors of benzene and water, as well as partial pressures of the components at different concentrations and pressures. Examples of use of the nomograms are given. (Author)

(Chemistry--Physical, TT, v. 6, no. 7)

61-16104

1. Title: Nomograms
I. Bal'yan, S. V.

[illegible]

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Synthesis of Vinyl Acetate in the Vapor Phase, by S. N. Ushakov, E. N. Rostovskiy, I. A. Arbuzova, 13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, No 11, 1940, pp 1689-1693.

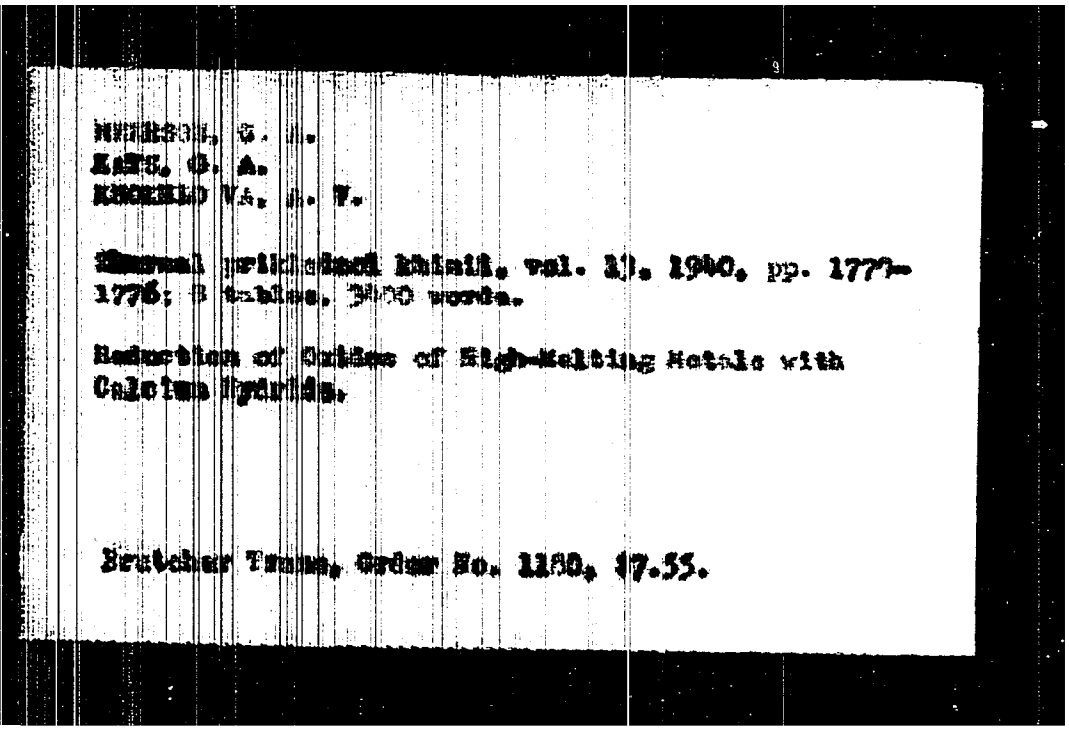
CIA/FDD/K-1246

Scientific - Chemistry
CTS/DEX

10,061

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



[illegible], S. M.
[illegible], O. A.
[illegible] V.A., M. F.

[illegible] published Khimii, vol. 31, 1940, pp. 1773-1776; 3 tables, 3400 words.

Reduction of Oxides of High-Melting Metals with Calcium Hydride.

Zentscher Tsentr, Order No. 1150, 17.55.

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Preparing Rubidium and Cesium by Reducing Their Chlorides, by V. D. Polyakov, A. A. Fedorov, 8 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIII, 1940, pp 1833-1838.

LC or SLA 59-10007

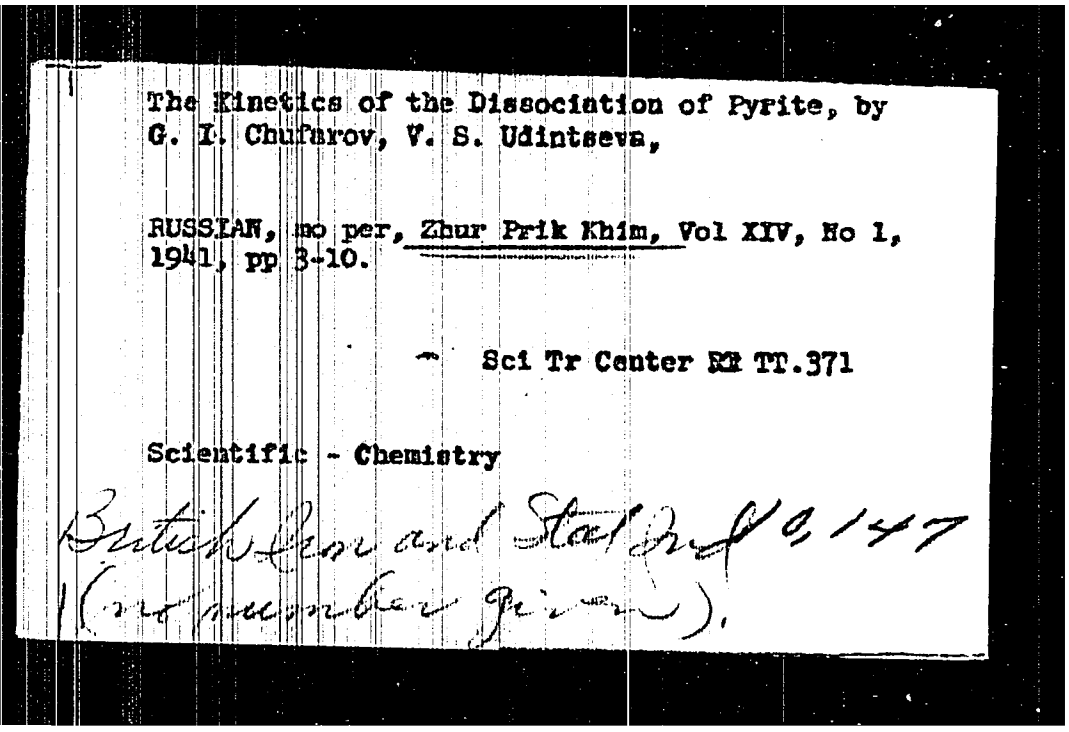
Sci - Chemistry
Feb 59

1.80

82,003

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



The Kinetics of the Dissociation of Pyrite, by
G. I. Chufarov, V. S. Udintseva,

RUSSIAN, no per, Zhur Prik Khim, Vol XIV, No 1,
1941, pp 3-10.

Sci Tr Center RR TT.371

Scientific - Chemistry

British Chem and Stat Ref 9, 147
(not recommended).

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

The Vapor Pressure of Fluosilicic Acid Solutions, by V. S. Yatlov, E. N. Pinayevskaya.

RUSSIAN, no per, Zhur Prik Khim, Vol XIV, No 1, 1941, pp 11-13.

Assoc Tech Sv RJ-526
$4.25 ($.85)

Sci - Chemistry
Apr 1957 CTS/dex

46,783

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Velocities of High-Temperature Processes. I. Kinetics of the Reduction of Magnesium Oxide by Various Regents, by A. S. Mikulinskiy, 17 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIV, 1941, pp 19-29.

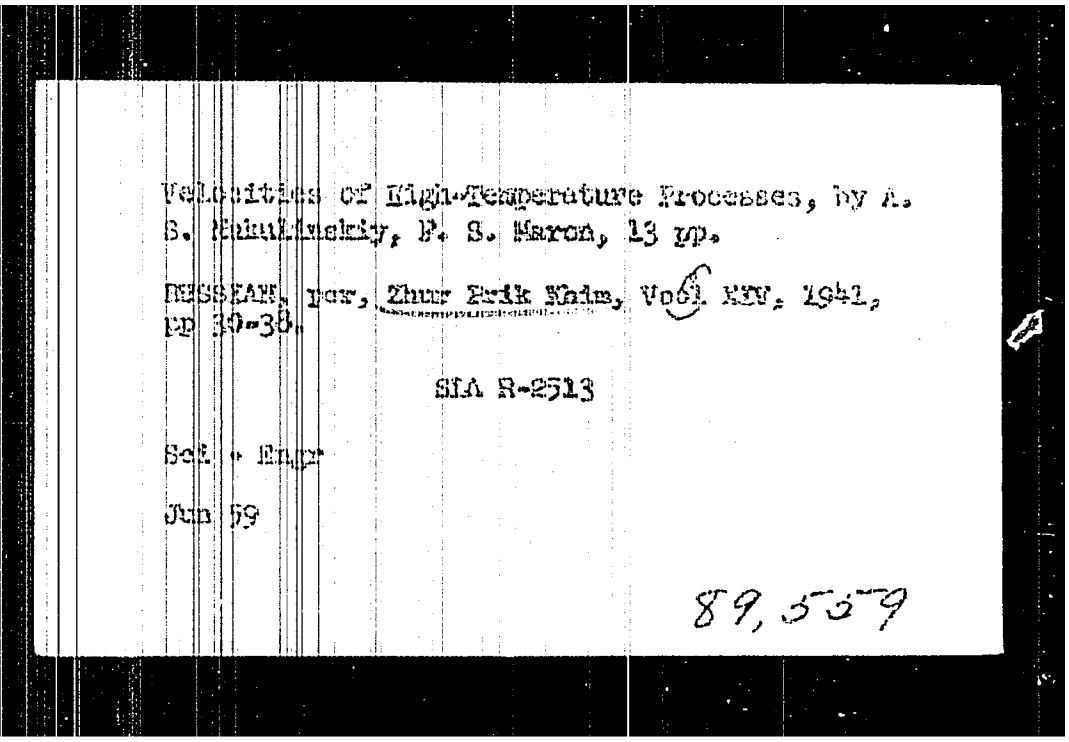
SLA/R-2517

Sci
Apr 59

84,884

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Velocities of High-Temperature Processes, by A. S. Rabukhovskiy, P. S. Maron, 13 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIV, 1941, pp 30-38.

SIA R-2513

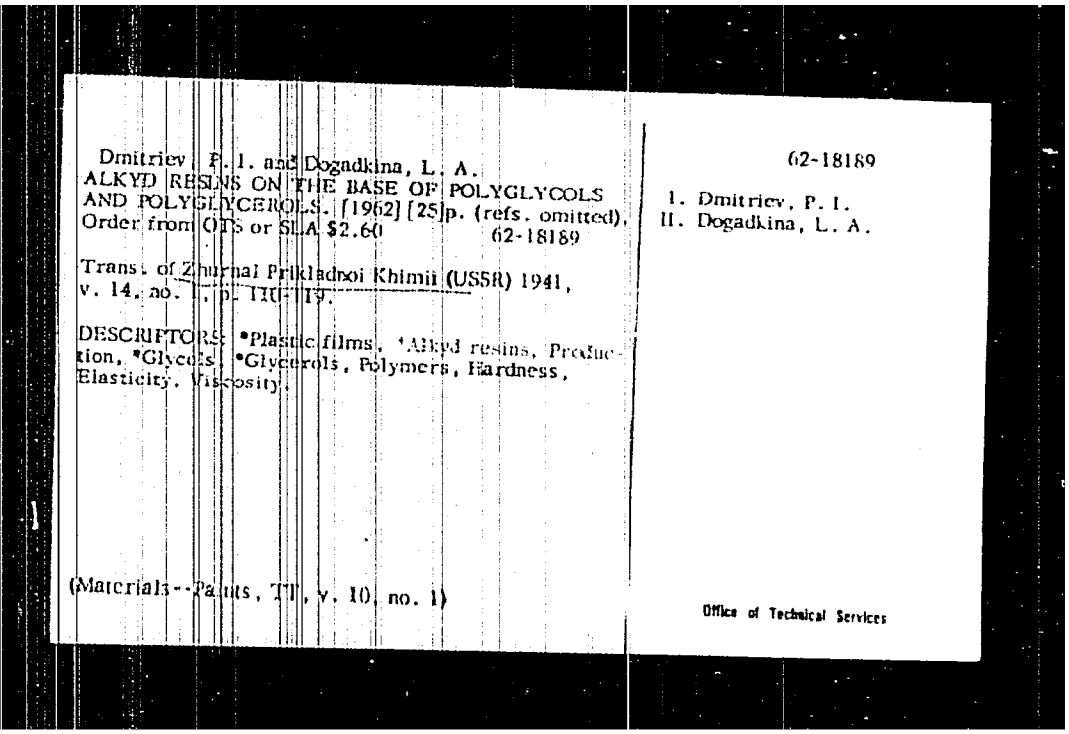
Sci + Engr

Jun 59

89,539

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Dmitriev, P. I. and Dogadkina, L. A.
ALKYD RESINS ON THE BASE OF POLYGLYCOLS AND POLYGLYCEROLS. [1962] [25]p. (refs. omitted)
Order from OTS or SLA $2.60 62-18189

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, no. 1, p. 111-119.

DESCRIPTORS: *Plastic films, *Alkyd resins, Production, *Glycols, *Glycerols, Polymers, Hardness, Elasticity, Viscosity.

(Materials--Paints, TT, v. 10, no. 1)

62-18189

I. Dmitriev, P. I.
II. Dogadkina, L. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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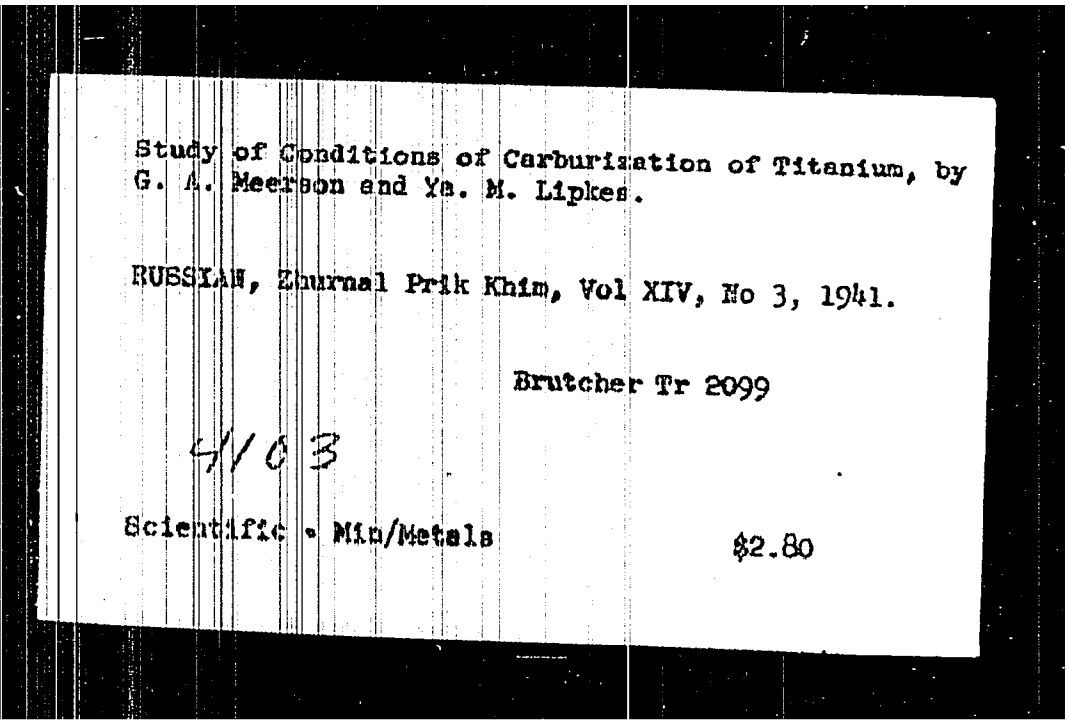

Study of Conditions of Carburization of Titanium, by G. A. Meerson and Ya. M. Lipkes.

RUSSIAN, Zhurnal Prik Khim, Vol XIV, No 3, 1941.

Brutcher Tr 2099

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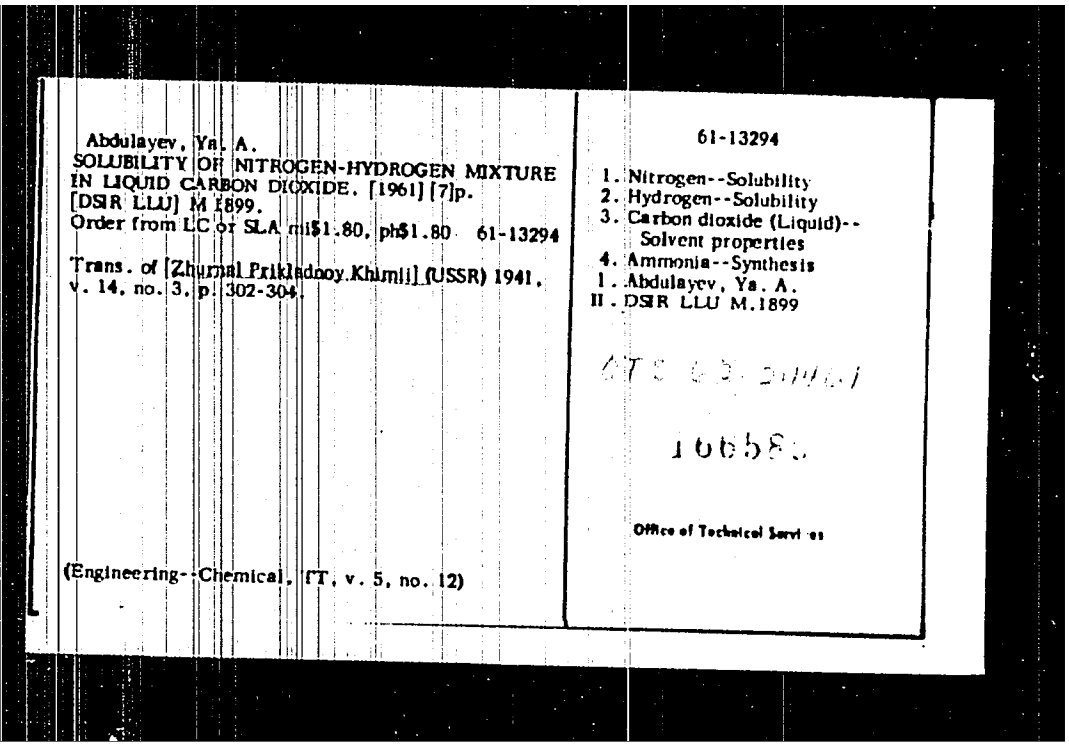
Scientific - Min/Metals

$2.80

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Abdulayev, Ya. A.
SOLUBILITY OF NITROGEN-HYDROGEN MIXTURE IN LIQUID CARBON DIOXIDE. [1961] [7]p.
[DSIR LLU] M.1899.
Order from LC or SLA mi$1.80, ph$1.80 61-13294

Trans. of [Zhurnal Prikladnoy Khimii] (USSR) 1941, v. 14, no. 3, p. 302-304.

(Engineering--Chemical, TT, v. 5, no. 12)

61-13294

1. Nitrogen--Solubility
2. Hydrogen--Solubility
3. Carbon dioxide (Liquid)--Solvent properties
4. Ammonia--Synthesis
I. Abdulayev, Ya. A.
II. DSIR LLU M.1899

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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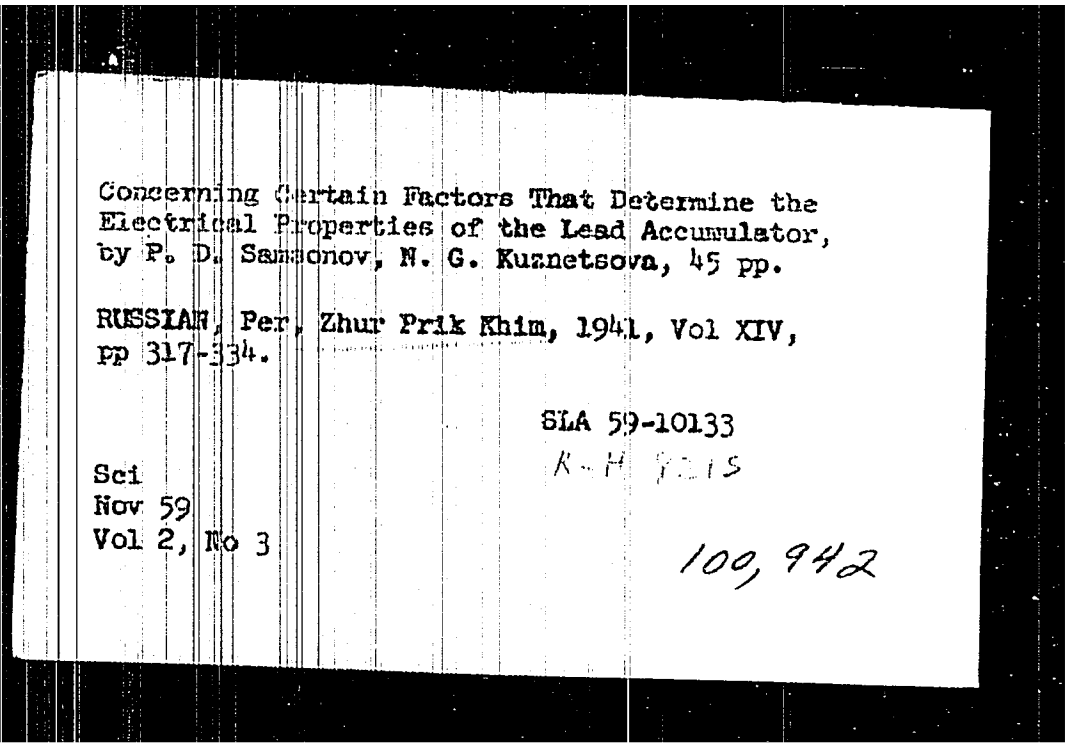

Concerning Certain Factors That Determine the Electrical Properties of the Lead Accumulator, by P. D. Samsonov, N. G. Kuznetsova, 45 pp.

RUSSIAN, Per. Zhur Prik Khim, 1941, Vol XIV, pp 317-334.

SLA 59-10133

K-H 9215

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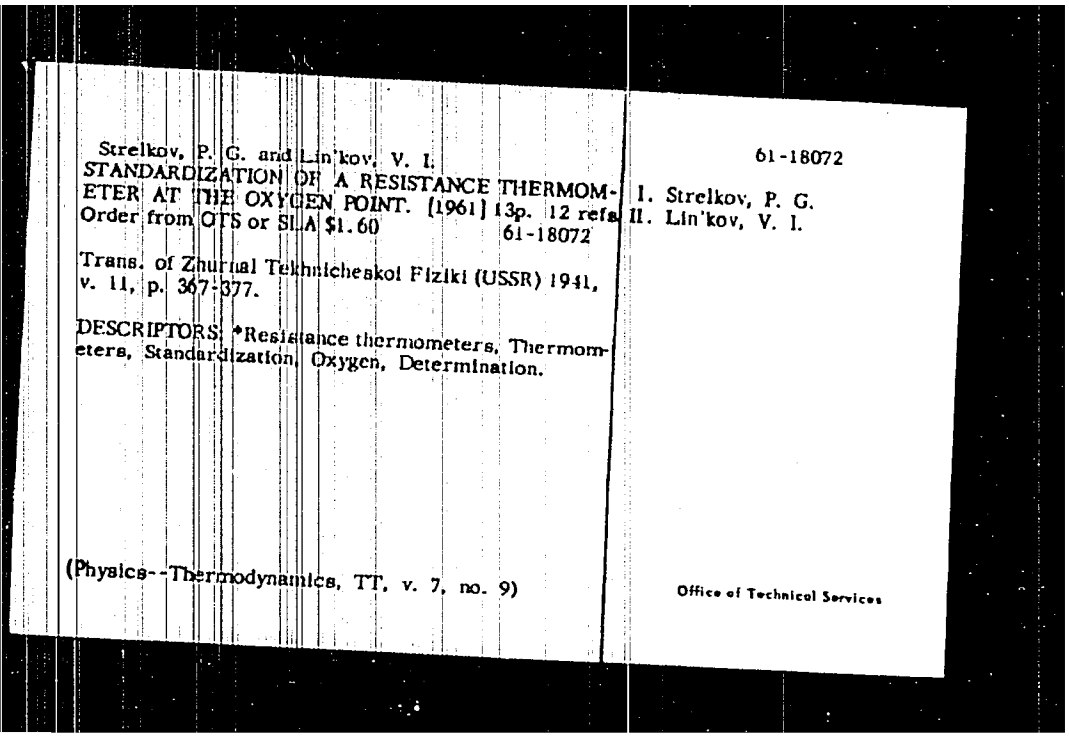
Nov 59
Vol 2, No 3

100,942

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Strelkov, P. G. and Lin'kov, V. I.
STANDARDIZATION OF A RESISTANCE THERMOMETER AT THE OXYGEN POINT. [1961] 13p. 12 refs.
Order from OTS or SLA $1.60 61-18072

Trans. of Zhurnal Tekhnicheskoi Fiziki (USSR) 1941, v. 11, p. 367-377.

DESCRIPTORS: *Resistance thermometers, Thermometers, Standardization, Oxygen, Determination.

(Physics--Thermodynamics, TT, v. 7, no. 9)

61-18072

I. Strelkov, P. G.
II. Lin'kov, V. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

A Comparison of the Frothing-Over in a Steam Boiler With a Geyser Eruption, by S. A. Durov.

RUSSIAN, per, Zhur Prik Khim, No 3, 1941, pp 368-371.

WLL M. 3028

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Feb 62

186, 857

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Zal'kind, Yu. and Khuskivadze, A.
PREPARATION OF DIBASIC ACIDS FROM OIL DISTILLATES. [1961] 4p. 8 refs.
Order from OTS or SLA $1.10 61-16881

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, no. 3, p. 405-409.

DESCRIPTORS: *Kerosene, Oxidation, *Dibasic acids, Synthesis, Adipic acid.

Experiments of oxidation of kerosene fractions with nitric acid of specific gravity 1.4 are reported. The best yield (12.26%) of dibasic acids was obtained from an oil fraction boiling at 210-215°; of these, 6.12% consisted of adipic acid. The yield of the latter increases in the presence of vanadium pentoxide. Oxidation of decalin with nitric acid gives glutaric and oxalic acids; when other petroleum hydrocarbons are added, adipic acid
(Chemistry--Organic, TT, v. 6, no. 9) (over)

61-16881

I. Zal'kind, Yu.
II. Khuskivadze, A.

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Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Balandin, A. A., Zelinskii, N. D. and others.
PREPARATION OF 1,3-BUTADIENE BY CATALYTIC DEHYDROGENATION OF 1-BUTENE. [1961] 9p. 15 refs.
Order from OTS or SLA $1.10 61-18011

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 425-445.

DESCRIPTORS: *Butadienes, Synthesis, *Butenes, Dehydrogenation, Catalysis.

The catalytic dehydrogenation of 1-butene to 1, 3-butadiene was investigated in the presence of carbon dioxide or nitrogen. The conditions were established under which butadiene is formed in yields of up to 34% on the passed, or 77% on the decomposed, butene. The reaction is carried out under atmospheric pressure, at 600°, with a contact period of 0.3 seconds and dilution of butene with carbon dioxide in the ratio of 1:7.5 by

(Chemistry--Organic, TT, v. 6, no. 7) (over)

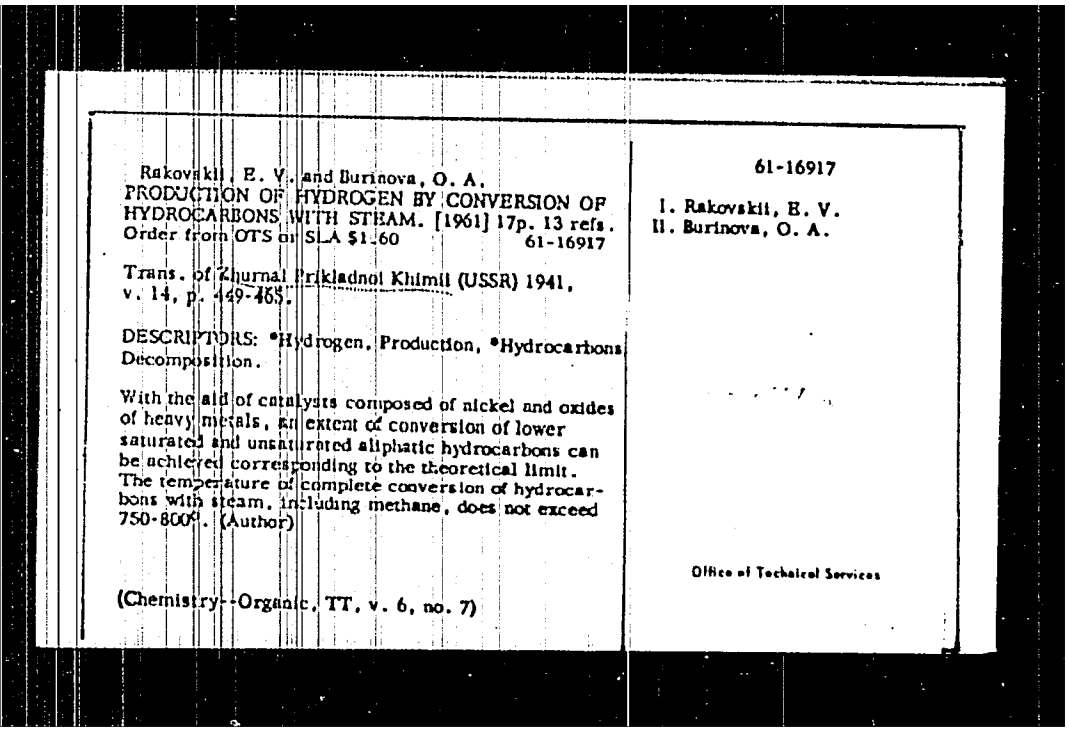
61-18011

I. Balandin, A. A.
II. Zelinskii, N. D.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Rakovskii, E. V. and Burinova, O. A.
PRODUCTION OF HYDROGEN BY CONVERSION OF HYDROCARBONS WITH STEAM. [1961] 17p. 13 refs.
Order from OTS or SLA $1.60 61-16917

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 449-465.

DESCRIPTORS: *Hydrogen, Production, *Hydrocarbons, Decomposition.

With the aid of catalysts composed of nickel and oxides of heavy metals, an extent of conversion of lower saturated and unsaturated aliphatic hydrocarbons can be achieved corresponding to the theoretical limit. The temperature of complete conversion of hydrocarbons with steam, including methane, does not exceed 750-800°. (Author)

(Chemistry--Organic, TT, v. 6, no. 7)

61-16917

I. Rakovskii, E. V.
II. Burinova, O. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Kinetics of Oxidation of Ammonia by Air Enriched with Oxygen, by V. I. Atroshchenko, E. G. Sedasheva,
10 p.

RUSSIAN, per, Zhur Prik Khim, Vol XIV, 1941, pp 500-506.

SLA
R-2959

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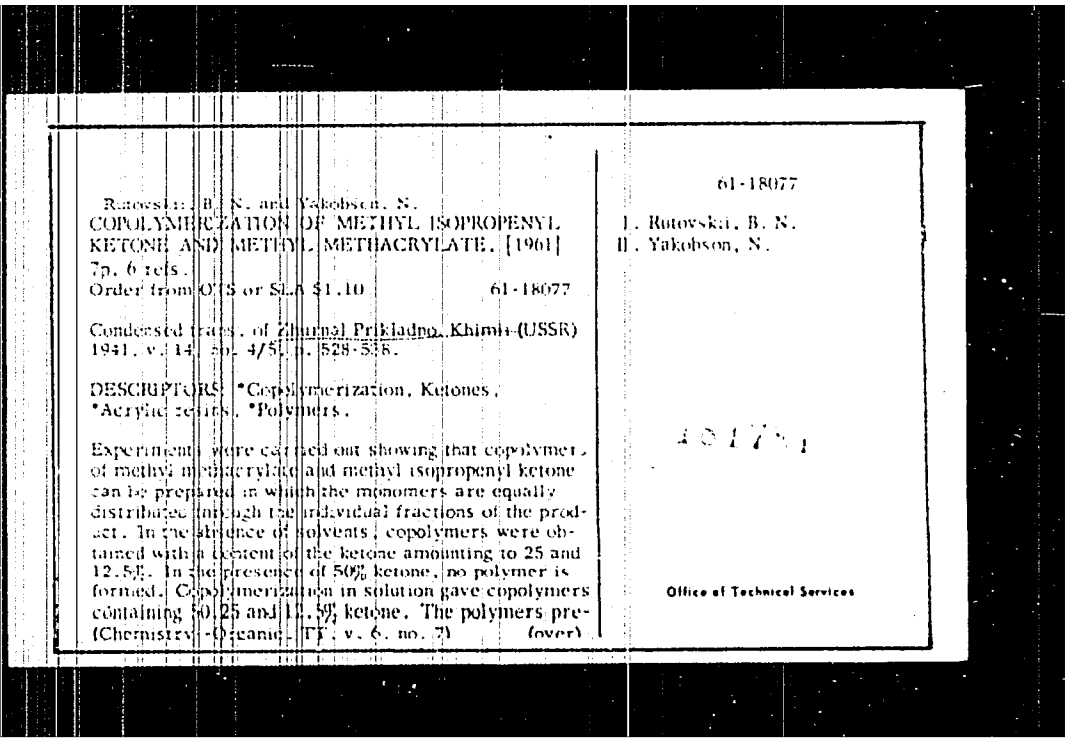
APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Rutovskii, B. N. and Yakobson, N.
COPOLYMERIZATION OF METHYL ISOPROPENYL KETONE AND METHYL METHACRYLATE. [1961] 7p. 6 refs.
Order from OTS or SLA $1.10 61-18077

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, no. 4/5, p. 528-538.

DESCRIPTORS: *Copolymerization, Ketones, *Acrylic resins, *Polymers.

Experiments were carried out showing that copolymers of methyl methacrylate and methyl isopropenyl ketone can be prepared in which the monomers are equally distributed through the individual fractions of the product. In the absence of solvents, copolymers were obtained with a content of the ketone amounting to 25 and 12.5%. In the presence of 50% ketone, no polymer is formed. Copolymerization in solution gave copolymers containing 50, 25 and 12.5% ketone. The polymers pre-

(Chemistry--Organic, TT; v. 6, no. 7) (over)

61-18077

I. Rutovskii, B. N.
II. Yakobson, N.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

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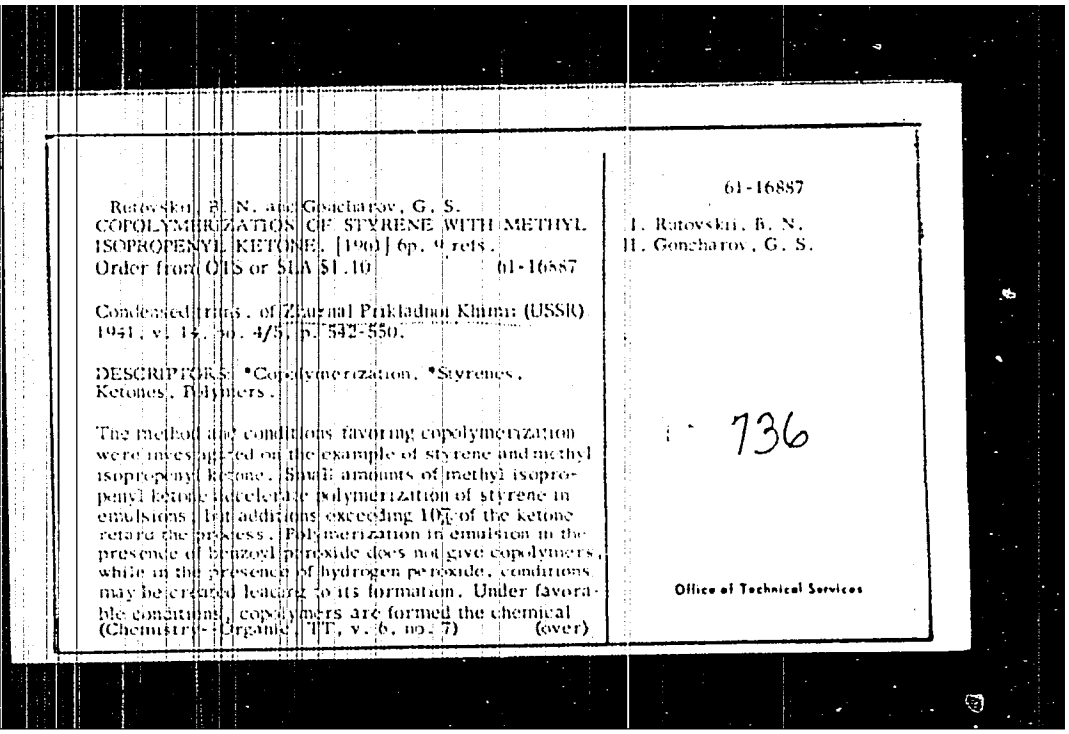

Ratovskii, B. N. and Goncharov, G. S.
COPOLYMERIZATION OF STYRENE WITH METHYL ISOPROPENYL KETONE. [1961] 6p. 9 refs.
Order from OTS or SLA $1.10 61-16887

Condensed from: Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, no. 4/5, p. 542-550.

DESCRIPTORS: *Copolymerization, *Styrenes, Ketones, Polymers.

The method and conditions favoring copolymerization were investigated on the example of styrene and methyl isopropenyl ketone. Small amounts of methyl isopropenyl ketone accelerate polymerization of styrene in emulsions, but additions exceeding 10% of the ketone retard the process. Polymerization in emulsion in the presence of benzoyl peroxide does not give copolymers, while in the presence of hydrogen peroxide, conditions may be created leading to its formation. Under favorable conditions, copolymers are formed the chemical
(Chemistry - Organic, TT, v. 6, no. 7) (over)

61-16887

I. Ratovskii, B. N.
II. Goncharov, G. S.

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APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Pavlovich, P. I.
POLYMERIZATION OF VINYL CHLORIDE IN SOLUTIONS AND EMULSIONS, II. [1961] 10p. 20 refs.
Order from OTS or SLA $1.10 61-16971

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 555-558.

DESCRIPTORS: *Vinyl chlorides, *Polymerization, Polymers, Benzoyl radicals, Peroxides, Colloids, Stability, Benzaldehydes, Acetaldehydes, Acetic acids, Hydrogen compounds, Barium compounds, Catalysts, Solutions.

It was proved that benzoyl peroxide can be substituted for polymerization of vinyl chloride by hydrogen peroxide or barium peroxide and easily oxidizable substances, namely, benzaldehyde, acetaldehyde, acetic acid, acetic anhydride. Acetyl benzoyl peroxide gave
(Chemistry--Organic, TT, v. 6, no. 10) (over)

61-16971

1. Pavlovich, P. I.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

A Study of the Effect of the Conditions of Formation on the Physicomechanical Properties of Cellulose Acetate Films, by A. A. Boyceyev, Z. A. Rogovin, 13 pp.

RUSSIAN, pub, Zhur Prik Khim, Vol XIV, No 4/5, 1941, pp 579-585.

SLA 59-10728

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Vol II, No 3

101, 535

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

Investigations in the Field of the Azo Dyes. II. Soluble Forms of Insoluble Azo Dyes, by V. N. Ufimtsev, 11 pp.

RUSSIAN, no per, Zhur Prik Khim, Vol XIV, No 4/5, 1941, pp 600-604.

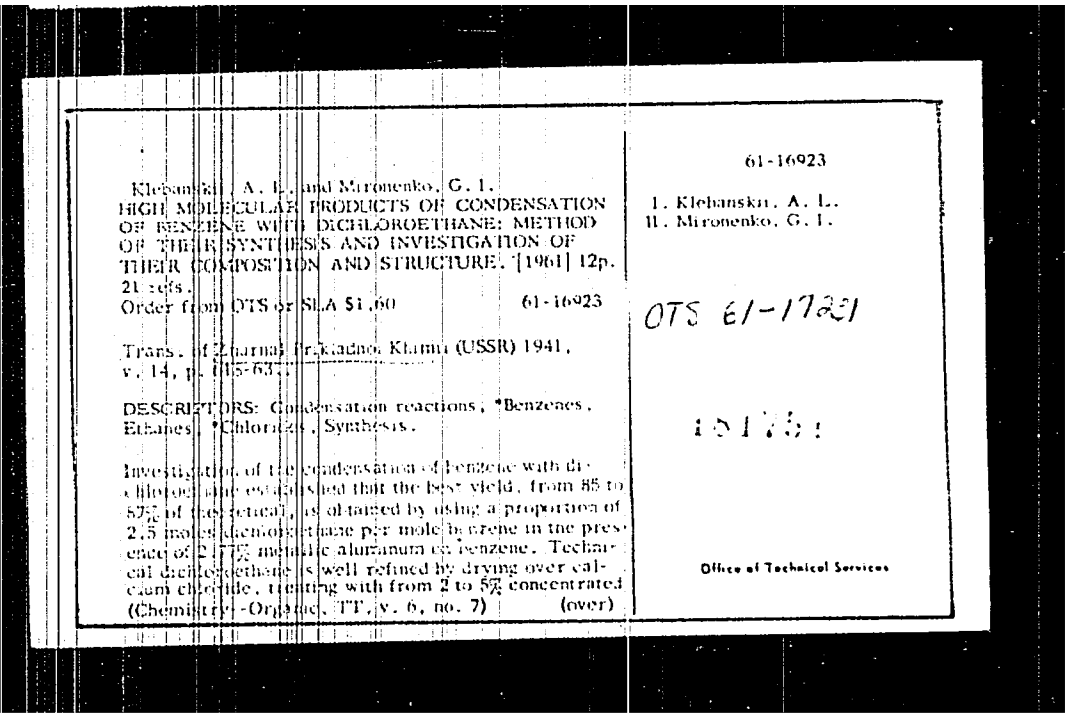
NIH Tr 7-20

50, 745

Sci - Chem
Aug 57

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3



Klebanskii, A. L., and Mironenko, G. I.
HIGH MOLECULAR PRODUCTS OF CONDENSATION OF BENZENE WITH DICHLOROETHANE: METHOD OF THEIR SYNTHESIS AND INVESTIGATION OF THEIR COMPOSITION AND STRUCTURE. [1961] 12p. 21 refs.
Order from OTS or SLA $1.60 61-16923

Trans. of Zhurnal Prikladnoi Khimii (USSR) 1941, v. 14, p. 1165-63.

DESCRIPTORS: Condensation reactions, *Benzenes, Ethanes, *Chlorides, Synthesis.

Investigation of the condensation of benzene with dichloroethane established that the best yield, from 85 to 87% of theoretical, is obtained by using a proportion of 2.5 moles dichloroethane per mole benzene in the presence of 2-17% metallic aluminum on benzene. Technical dichloroethane is well refined by drying over calcium chloride, treating with from 2 to 5% concentrated (Chemistry-Organic, TT, v. 6, no. 7) (over)

61-16923

1. Klebanskii, A. L.
II. Mironenko, G. I.

OTS 61-17231

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, July 10, 2002 CIA-RDP91-00772R000201290074-3